

SEQUENCE LISTING

<110> Xu, Jiangchun
 Dillon, Davin C.
 Mitcham, Jennifer L.
 Harlocker, Susan L.
 Jiang, Yuqui
 Henderson, Robert A.
 Kalos, Michael D.
 Fanger, Gary R.
 Retter, Marc W.
 Stolk, John A.
 Day, Craig H.
 Vedvick, Thomas S.
 Carter, Darrick
 Li, Samuel
 Wang, Aijun
 Skeiky, Yasir A.W.
 Hepler, William

<120> COMPOSITIONS AND METHODS FOR THE THERAPY AND
 DIAGNOSIS OF PROSTATE CANCER

<130> 210121.427C18

<140> US

<141> 2000-08-29

<160> 865

<170> FastSEQ for Windows Version 3.0

<210> 1

<211> 814

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(814)

<223> n = A,T,C or G

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tgccagctgc attaatgaat cggccaacgc ncgggggaaaa gcggtttgcg ttttgggggc 660
tcttcgctt ctcgctcact nantcctgcg ctcggtcntt cggctgcggg gaacgggtatc 720
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<210> 2
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<213> Homo sapien

<220>
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<223> n = A,T,C or G

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aaggaacggg gctcgtttat caccagttag gagcaggacg tgagcccccg cctgcacct 360
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aacatacgag cgggaacata aagtgttaag cctgggggtgc ctaatgantg agctaactcn 600
cattaattgc gttgcgctca ctgcccgtt tccagtcggg aaaactgtcg tgccactgen 660
ttantgaatc ngccaccccc cgggaaaagg cggttgcntt ttgggcctct tccgctttcc 720
tcgctcattg atcctngcnc ccggtcttcg gctgcggnga acggttcact cctcaaaggc 780
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<212> DNA
<213> Homo sapien

<220>
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ccaattcgcc ctatantgag tcgtattacg cgcgctcact ggccgtcggt ttacaacgtc 480
gtgactggga aaaccctggg cgttaccaac ttaatcgctt tgcagcacat ccccttttcg 540
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006230 "9625960

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gaatgggnaa atgggacccc cctgttaccg cgcattnaac ccccgngggg tttngttggt 660
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<210> 4
<211> 828
<212> DNA
<213> Homo sapien

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<220>
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<223> n = A,T,C or G

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tcggaacact ggctgtctct gaagacttct cgtctcagttt cagtgaggac acacacaaaag 180
acgtgggtga ccatgtttgt tgtgggggtgc agagatggga ggggtggggc ccacctgga 240
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acaatgcatg aggcacacac acagcaagga tgacnctgta aacatagccc acgtgtcct 360
gnngggcactg ggaagcctan atnaggccgt gagcanaaag aaggggagga tccactagtt 420
ctanageggc cgcacccgcg gtgganctcc ancttttgtt ccttttagtg agggttaatt 480
gcgcgcttgg cntaatcatg gtcatanctn tttcctgtgt gaaattgtta tccgctcaca 540
attccacaca acatacganc cggaaacata aantgtaaac ctgggggtgcc taatgantga 600
ctaactcaca ttaattgcgt tgcgctcact gcccgttttc caatcnggaa acctgtcttg 660
ccncttgcat tnatgaatcn gccaaccccc ggggaaaagc gtttgcgttt tgggcgctct 720
tccgcttcc cnetcantta ntccctnenc tgggtcattc cggctgcngc aaaccgggtc 780
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<210> 5
<211> 834
<212> DNA
<213> Homo sapien

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<220>
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<223> n = A,T,C or G

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attttataac aatcaacacc tgtggctttt aaaatttggg tttcataaga taatttatac 180
tgaagtaaat ctagccatgc ttttaaaaaa tgcttttaggt cactccaagc ttggcagtta 240
acatttgcca taaacaataa taaaacaatc acaatttaat aaataacaaa tacaacattg 300
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cattcagttt tcaaagtagg agacaggttc tacagtatca ttttacagtt tccaacacat 480
tgaaaacaag tagaaaatga tgagttgatt tttattaatg cattacatcc tcaagagtta 540
tcaccaaccc ctcagttata aaaaattttc aagttatatt agtcatataa cttggtgtgc 600
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gatattggtc atttttacca gcttctaaat ctnaactttc aggccttttg actggaacat 720
tgnatnacag tgttccanag ttncaaccta ctggaacatt acagtgtgct tgattcaaaa 780

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834

<210> 6
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<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
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<223> n = A,T,C or G

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 tgtaaagtga aatattagtt ggcggatgaa gcagatagtg aggaaagttg agccaataat 180
 gacgtgaagt ccgtggaagc ctgtggctac aaaaaatggt gagccgtaga tgccgtcgga 240
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 gtgagctcag gtgattgata ctctgatgc gagtaatacg gatgtgttta ggagtgggac 420
 ttctagggga ttttagcggg tgatgcctgt tgggggccag tgccctccta gttggggggt 480
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 ttggtatgtg ctttctcgtg ttacatcgcg ccattcattg tatatggtta gtgtgttggg 660
 ttantangg ctantatgaa gaacttttg antggaatta aatcaatngc ttggccggaa 720
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<212> DNA
<213> Homo sapien

<220>
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<222> (1) ... (817)
<223> n = A,T,C or G

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 aagtggtttg gtttagacgt ccgggaattg catctgtttt taagcctaata gtggggacag 240
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 gtactactcg attgtcaacg tcaaggagtc gcaggtcgcc tggttctagg aataatgggg 360
 gaagtatgta ggaattgaag attaatccgc cgtagtcggg gttctcctag gttcaatacc 420
 attggtggcc aattgatttg atggtaaggg gagggatcgt tgaactcgtc tgttatgtaa 480
 aggatncctt ngggatggga aggcnatnaa ggactangga tnaatggcgg gcangatatt 540
 tcaaacngtc tctanttcct gaaacgtctg aaatgttaat aanaattaan tttngttatt 600
 gaatnttnng gaaaagggct tacaggacta gaaaccaaata angaaaanta atnntaangg 660
 cnttatcntn aaaggtnata accnctccta tnatccacc caatngnatt ccccaenenn 720
 acnattggat nccccanttc canaaanggc cccccccgg tgnannccnc cttttgttcc 780
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<210> 8
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 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
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 tctttgangt gagccccatg tccatctggg ccaactgtcng gaccaccttt ngggagtgtt 480
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 caagnccctgn atccactnnt nctanaaccg gccnccnccg cngtggaacc cnccttntgt 600
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 gttnaaattg ttangcnccc nccnntcccn cnnnnnnan cccgaccenn annttnnann 720
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<210> 9
 <211> 801
 <212> DNA
 <213> Homo sapien

<220>
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 <222> (1)...(801)
 <223> n = A,T,C or G

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 aatccctgt gggggcttct ccttgaagtc cgccancagg gctcagtctt tggacccang 240
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 caccatccc angacgcggc tacactnctg gacctccnc tccaccactt tcatgcgctg 360
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 gggaanancc ctcgnccntn ccccnnttaa tccncccttg cnangnnent ccccnntcc 720
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<212> DNA
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 <223> n = A,T,C or G

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ccatcctgga	tagtgcttcc	tgctgtccca	ngtggcccca	tcctgttta	tgggtctocat	480
tgtccagctc	agccagctctg	tcactgccta	tatggtgtct	gccgcaggcc	tgggtctggt	540
ccattttact	ttgtacaca	ggtantattt	gacaagaacg	anttggccaa	atactcagcg	600
ttaaaaaatt	ccagcaacat	tgggggtgga	aggcctgcct	cactgggtcc	aactccccgc	660
tctgttaaac	cccatggggc	tgccggcttg	gccgccaat	tctgttgctg	ccaaantnat	720
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 <212> DNA
 <213> Homo sapien

<220>
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gcacaggggtg	gcagcaaaaa	aaccacttta	ctttggcaca	aacaaaaact	nggggggggca	660
accccgccac	cccnangggg	gttaacagga	ancngggnaa	cntggaaccc	aattnaggca	720
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<210> 12
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 <212> DNA
 <213> Homo sapien

00651236.083900

<220>
 <221> misc_feature
 <222> (1)...(751)
 <223> n = A,T,C or G

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 agcagctgcn acctcagcaa tgaagatgan gaggangatg aagaagaacg tcncgagggc 420
 acacttgctc tcagtcttan caccatanca gcccntgaaa accaananca aagaccacna 480
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 agtggcccnna aaaatcttca aaaaggatgc cccatcnatt gaccccccaa atgcccactg 600
 ccaacagggg ctgccccacn cncnnaacga tganccnatt gnacaagatc tncntggtct 660
 tnatnaacnt gaacctgcn tngtggctcc tgttcaggnc cnnggcctga cttctnaann 720
 aangaactcn gaagncccca cngganannc g 751

<210> 13
 <211> 729
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(729)
 <223> n = A,T,C or G

<400> 13
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 accatgcagt gcttcagctt cattaagacc atgatgatcc tcttcaattt gctcatcttt 180
 ctgtgtggtg cagccctgtt ggcagtgggc atctgggtgt caatcgatgg ggcatecttt 240
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 actgagagca agtgtgccct cgtgacgttc ttcttcatcc tctctctcat cttcattgct 420
 gaggttgcaa tgctgtggtc gccttggtgt acaccacaat ggctgagcac ttctgacgt 480
 tgctggtaat gcctgccatc aanaaaagat tatgggttcc caggaanact tcaactaagt 540
 gttggaacac caccatgaaa gggctcaagt gctgtggctt cnnccaacta tacggatttt 600
 gaagantcac ctacttcaaa gaaaanagtg cctttccccc atttctgttg caattgacaa 660
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<210> 14
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 <223> n = A,T,C or G

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ggcagggtcca cgcagtgcgc tttgtcactg gggaaatgga tgcgtggag ctggtcaaag 180
ccactcgtgt atttttcaca ggcagcctcg tccgacgcgt cggggcagtt gggggtgtct 240
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tganccccc anctgcctct caaangcccc accttgacac ccccgacagg ctagaatgga 420
atcttcttcc cgaaaggtag ttnttcttgt tgcccaancc anccccntaa acaaactctt 480
gcanatctgc tccgnggggg tcntantacc ancggtggaa aagaacccca ggcngcgaac 540
caancttggt tggatnccaa gcnataatct nctnttctgc ttggtggaca gcaccantna 600
ctgtnnanct ttagncntg gtcctcntgg gttgnncttg aacctaatcn ccnntcaact 660
gggacaagggt aantngcct cctttnaatt ccnancntn cccctggtt tggggttttn 720
cncnctcta cccagaaan nccgtgttcc cccccaacta ggggccnaaa ccnntnttc 780
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<210> 15
<211> 783
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(783)
<223> n = A,T,C or G

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<400> 15
ccaaggcctg ggcaggcata nacttgaagg tacaacccca ggaaccctg gtgctgaagg 60
atgtggaaaa cacagattgg cgctactgc ggggtgacac ggatgtcagg gtagagagga 120
aagacccaaa ccagggtgga ctgtggggac tcaaggaang cacctacctg ttccagctga 180
cagtgactag ctgagaccac ccagaggaca cggccaacgt cacagtcaact gtgctgtcca 240
ccaagcagac agaagactac tgctctgcac ccaacaangt gggtcgctgc cggggctctt 300
tcccacgctg gtactatgac cccacggagc agatctgcaa gagtttctgt tatggaggct 360
gcttgggcaa caagaacaac taccttcggg aagaagagtg cattctancc tgtcnggggtg 420
tgcaagggtg gcctttgana ngcanctctg gggctcangc gaatttcccc cagggccct 480
ccatggaaag ggcgcatcca ntgttctctg gcacctgtca gcccacccag ttccgtgca 540
ncaatggtct ctgcatcnac antttcctng aattgtgaca acaccccca ntgccccaa 600
ccctcccaac aaagcttccc tgttnaaaaa tacnccantt ggcttttnac aaacnccgg 660
cncctcctt ttcccnntn aacaaagggc nctngcnttt gaactgccc aaccnggaa 720
tctnccnngg aaaaantncc cccctggtt cctnnaance cctccncaa anctncccc 780
ccc 783

```

```

<210> 16
<211> 801
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(801)
<223> n = A,T,C or G

```

```

<400> 16

```

```

gccccaatc cagctgccac accaccacg gtgactgcat tagttcggat gtcatacaaa 60
agctgattga agcaaccctc tacttttttg tctgtgagcct tttgcttggt gcagggttca 120
ttggctgtgt tgggtgacgtt gtcattgcaa cagaatgggg gaaaggcact gttctctttg 180
aagtaggggtg agtcctcaaa atccgtatag ttggtgaagc cacagcactt gagccctttc 240
atggtggtgt tccacacttg agtgaagtct tcctgggaac cataatcttt cttgatggca 300
ggcactacca gcaacgtcag gaagtgtca gccattgttg tgtacacca ggcgaccaca 360
gcagctgcaa cctcagcaat gaagatgagg aggaggatga agaagaacgt cncgagggca 420
cacttgctct ccgtcttagc accatagcag ccangaaac caagagcaaa gaccacaacg 480
ccngctgcga atgaaagaaa ntaccacgt tgacaaactg catggccact ggacgacagt 540
tggtccgaan atcttcagaa aagggatgcc ccacgattg aacacccana tgcccactgc 600
cnacaggggt gcncncncn gaaagaatga gccattgaag aaggatcntc ntgggtcttaa 660
tgaactgaaa cntgcatgg tggccctgt tcagggtctt tggcagtga ttctganaaa 720
aaggaaacngc ntnagcccc ccaaangana aaacaccccc ggggtgttgcc ctgaattggc 780
ggccaaggan ccctgccccn g 801

```

```

<210> 17
<211> 740
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(740)
<223> n = A,T,C or G

```

```

<400> 17
gtgagagcca ggcgtccctc tgcccgccca ctgagtggca acacccggga gctgttttgt 60
cctttgtgga gcctcagcag ttccctcttt cagaactcac tgccaagagc cctgaacagg 120
agccaccatg cagtgttca gtttcattaa gaccatgatg atcctcttca atttgctcat 180
ctttctgtgt ggtgcagccc tgttggcagt gggcatctgg gtgtcaatcg atggggcatc 240
ctttctgaag atcttcgggc cactgtcgtc cagtgccatg cagtttgtca acgtgggcta 300
cttctcctc gcagccggcg ttgtggtctt tgcctcttgg ttcctgggct gctatggtgc 360
taagacggag agcaagtgtg ccctcgtgac gttctcttcc atcctcctcc tcatcttcat 420
tgctgaagtt gcagctgctg ttgtgcctt ggtgtacacc acaatggctg aaccattcct 480
gacgttgctg gtantgctg ccatcaanaa agattatggg ttcccaggaa aaattcactc 540
aantntggaa caccnccatg aaaagggtc caatttctgn ttgcttcccc aactataaccg 600
gaattttgaa agantcnccc tacttccaaa aaaaaanant tgcttttnc cccnttctgt 660
tgcaatgaaa acntccaan acngccaatn aaaacctgcc cnnncaaaaa ggntcncaaa 720
caaaaaaant nnaagggttn 740

```

```

<210> 18
<211> 802
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(802)
<223> n = A,T,C or G

```

```

<400> 18
ccgctggttg cgctggtcca gngnagccac gaagcacgtc agcatacaca gcctcaatca 60
caaggtcttc cagctgccgc acattacgca gggcaagagc ctccagcaac actgcatatg 120
ggatacactt tacttttagc gccagggtga caactgagag gtgtcgaagc ttattcttct 180

```

gagcctctgt	tagtggagga	agattccggg	cttcagctaa	gtagtcagcg	tatgtcccat	240
aagcaaacac	tgtgagcagc	cggaaaggtag	aggcaaagtc	actctcagcc	agctctctaa	300
cattgggcat	gtccagcagt	tctccaaaca	cgtagacacc	agnggcctcc	agcacctgat	360
ggatgagtgt	ggccagcgct	gcccccttgg	ccgacttggc	taggagcaga	aattgtctct	420
ggttctgccc	tgtcaccttc	acttccgcac	tcatactgc	actgagtgtg	ggggacttgg	480
gctcaggatg	tccagagacg	tggttccgcc	ccctcnctta	atgacaccgn	ccanncaacc	540
gtcggctccc	gccgantgng	ttcgtcgtnc	ctgggtcagg	gtctgctggc	cnctacttgc	600
aancttcgtc	nggcccattg	aattcaccnc	accggaactn	gtangatcca	ctnnttctat	660
aaccggnccg	caccgcnnnt	ggaactccac	tcttnttnc	tttacttgag	ggtaagggtc	720
acccttnnccg	ttaccttggt	ccaaaccntn	ccntgtgtcg	anatngtnaa	tcnggncna	780
tnccancnc	atangaagcc	ng				802

<210> 19

<211> 731

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (731)

<223> n = A,T,C or G

<400> 19

cnaagcttcc	aggtnacggg	ccgcnaancc	tgacccnagg	tancanaang	cagnncgcgg	60
gagcccaccg	tcacgnggng	gngtctttat	nggagggggc	ggagccacat	cnctggacnt	120
cntgacccca	actccccncc	ncncantgca	gtgatgagtg	cagaactgaa	ggtnacgtgg	180
caggaaccaa	gancaaannc	tgtccnntc	caagtcggcn	naagggggcgg	ggctggccac	240
gcncatccnt	cnagtgetgn	aaagccccnn	cctgtctact	tgtttggaga	acngcnnga	300
catgcccagn	ggtanataac	nggengagag	tnantttgcc	tctcccttcc	ggctgcgcen	360
cgngtntgct	tagnggacat	aacctgacta	cttaactgaa	cccnngaate	tnccnccct	420
ccactaagct	cagaacaaaa	aacttcgaca	ccactcantt	gtcacctgnc	tgtcaagta	480
aagtgtaccc	catncccaat	gtntgctnga	ngctctgncc	tgcnttangt	tcggctcctgg	540
gaagacctat	caattnaagc	tatgtttctg	actgcctctt	gtccctgna	acaancnacc	600
cnncnntcca	aggggggggnc	ggcccccaat	ccccccaacc	ntnaattnan	tttancccn	660
ccccnggcc	cggcctttta	cnancntcnn	nnaacngggna	aaaccnnngc	tttncccaac	720
nnaatecncc	t					731

<210> 20

<211> 754

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (754)

<223> n = A,T,C or G

<400> 20

tttttttttt	tttttttttt	taaaaacccc	ctccattnaa	tgnaaacttc	cgaaattgtc	60
caaccccctc	ntccaaatnn	ccntttccgg	gnggggggttc	caaacccean	ttanntttgg	120
annttaaatt	aaatnttnt	tggnggnna	ancnnaatgt	nangaaagtt	naaccanta	180
tnancttnaa	tncttgaaa	ccngtngntt	ccaaaaatnt	ttaaccctta	antccctccg	240
aaatngttna	nggaaaaccc	aantttctnt	aaggttgttt	gaaggntnaa	tnaaaanccc	300
nnccaattgt	tttngccac	gcctgaatta	attggnnttc	gntgttttcc	nttaaaanaa	360

```

ggnnancccc gggtantnaa tccccccnnc cccaattata ceganttttt ttngaattgg      420
gancccnccg gaattaacgg ggnnnnntccc tnttgggggg cnggnncccc ccccntcggg      480
ggttnggggnc aggnccnaat tgtttaaggg tccgaaaaat ccctccnaga aaaaaanctc      540
ccaggntgag nntnggggtt nccccccccc cangggccct ctcgnanagt tgggggtttg      600
ggggcctggg attttntttc cccntttnc tccccccccc ccnggganag aggttngngt      660
tttgntcnnc ggcccnccn aaganctttt ceganttnan ttaaateent gcctnggcga      720
agtcctttgn agggntaaan ggccccctnn cggg                                     754

```

```

<210> 21
<211> 755
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1) ... (755)
<223> n = A,T,C or G

```

```

<400> 21
atcancccat gaccccnAAC nngggacnnc tcanccggnc nnncnacnnc cggccnatca      60
nngtnagnnc actncnnttn natcaenccc cncenactac gcccncnanc cnacgcnceta      120
nncanatncc actganngcg cgangtngan ngagaaanct nataccanag ncaccanacn      180
ccagctgtcc nanaangcct nnnatacnng nnnatccaat ntgnancctc cnaagtattn      240
nncnncanat gattttcctn anccgattac ccntncccc tancecctcc cccccaacna      300
cgaaggcnct ggncnnaagg nngcgnccnc ccgctagntc cccncaagt cncncccta      360
aactcanccn nattacncgc ttentgagta tcactccccg aatctcaccc tactcaactc      420
aaaaanaton gatacaaaat aatncaagcc tgnttatnac actntgactg ggtctctatt      480
ttagnngtcc ntnaancntc ctaataactc cagtctncc tcnccaattt ccnaanggct      540
ctttengaca gcatnttttg gtcccnntt ggggttcttan ngaattgccc ttentngaac      600
gggctentct tttccttcgg ttanccctgg ttcnccggc cagttattat ttcccntttt      660
aaattentnc cntttanttt tggcnttcna aacccccggc cttgaaaacg gccccctggt      720
aaaaggttgt tttganaaaa tttttgtttt gtcc                                     755

```

```

<210> 22
<211> 849
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1) ... (849)
<223> n = A,T,C or G

```

```

<400> 22
tttttttttt tttttangtg tngtcgtgca ggtagaggct tactacaant gtgaanacgt      60
acgctnngan taangcgacc cgantttctag ganncnccct aaaatcanac tgtgaagatn      120
atcctgnnna cgggaanggtc accggnggat nntgctaggg tgncnctcc canncnttn      180
cataactcng nggcccgtgc caccaccttc ggcggcccng ngnccgggccc cgggtcattn      240
gnnttaaccn cactnngcna nccgtttccn nccccnncng accnnggcga tccgggggtnc      300
tctgtcttcc cctgnagncn anaaantggg ccnccgnccc ctttaccct nnacaagcca      360
cngccttcta nccnngccc cccctccant nngggggact gccnanngct ccgttncntg      420
nnaccccnnn gggtnccctg gttgtcgant cnaccgnang ccanggatc cnaaggaagg      480
tgcgtnnttg gcccctaccc ttcgctnccg nncacccttc ccgacnanga nccgctcccg      540
cnennccnng cctcnccctg caacacccgc nctentcngt nccgnnnccc ccccacccgc      600

```

```

nccctcncnc ngncgnancn ctcncncnc gtctcannca ccaccccgcc ccgccaggcc 660
ntcanccaacn ggnngaacnng nagenncntc gncncgcgn gcgncncct cgccncngaa 720
ctnctcngg ccantnncgc tcaanccna cnaaacgccg ctgcgcggcc cgnagcgncc 780
ncctccnaga gtctcccgcn ctcccnaccc angmnttcn cgaggacacn nnaccccgcc 840
nncangcgg 849

```

```

<210> 23
<211> 872
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(872)
<223> n = A,T,C or G

```

```

<400> 23
gcgcaaaacta tacttcgctc gnactcgtgc gcctcgtcnc tcttttcctc cgcaaccatg 60
tctgacnanc ccgattnggc ngatatcnan aagntcganc agtccaaact gantaacaca 120
cacacncnan aganaaatcc nctgccttcc anagtanacn attgaacnng agaaccangc 180
nggcgaatcg taatnaggcg tgcgcgcga atntgtcnc gtttatntn ccagentcnc 240
ctnccnacc tacntcttcn nagctgtcnn acccctngtn cgnaccccc naggtcgga 300
tcgggtttnn nntgaccgng cnccccctcc cccctccat nacgancnc ccgcaccacc 360
nanngcncgc nccccgnct ctgcgcnc cgtgcctntn cccctgtngc ctggcncngn 420
accgcattga cctcgcncn ctncnngaaa ncgnanacgt ccgggttgnn annancgtg 480
tgggrnnngcg tctgcncgc gttccttcn ncnncttcca ccatcttct tacngggtct 540
cncgccttc tcnncacnc cctgggacgc tntcctntgc ccccttnac tccccctt 600
cgncgtgncc cgncccccac ntcatttnca nacgntcttc acaannncct ggntnnctcc 660
cnancngcn gtcancnag ggaaggngg ggnncennng nttgacgttg ngngangtc 720
cgaanantcc tcnccntcan cctaccctc cgggcgnct ctngttnc aacttancaa 780
ntctcccccg ngngcncntc tcagcctcnc cnccccnc ctctgcantg tntctgctc 840
tnaccnntac gantnttcn cncctcttt cc 872

```

```

<210> 24
<211> 815
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(815)
<223> n = A,T,C or G

```

```

<400> 24
gcatgcaagc ttgagtattc tatagngtca cctaaatanc ttggcntaat catggtcnta 60
nctgncttcc tgtgtcaaata gtatacnaa tanatatgaa tctnatntga caaganngta 120
tctncatta gtaacaantg tntgtccat cctgtcngan canattccca tnnattncgn 180
cgcattcncn gcncantatn taatngggaa ntcnnntnnn ncaccnncat ctatctncc 240
gcncctgac tggagagat ggatnanttc tntntgacc nacatgttca tcttgattn 300
aanaccccc cgcngnccac cggttngnng cnagcncntc ccaagacctc ctgtggaggt 360
aacctgcgtc aganncatca aacntgggaa accgcncnc angtnnaagt ngnnncanan 420
gatcccgtec agnttnacc atcccttenc agcgcacctc ttngtgcctt anagnnagc 480
gtgtccnanc cncatcaat ganacgcgc agnccanccg caattnggca caatgtcnc 540
gaaccccccta gggggantna tncaaanccc caggattgtc cncncangaa atccncanc 600

```



```
<210> 25
<211> 775
<212> DNA
<213> Homo sapien
```

<400> 25

```
<210> 26
<211> 820
<212> DNA
<213> Homo sapien
```

<400> 26

anattantac	agtgtaatct	tttccagag	gtgtgtanag	ggaacggggc	ctagaggcat	60
cccanagata	ncttatanca	acagtgtctt	gaccaagagc	tgctgggcac	atttctctgca	120
gaaaagggtgg	cgggtcccat	cactctctct	ctcccatagc	catcccagag	gggtgagtag	180
ccatcangcc	ttcgggtggga	gggagtcang	gaaacaacan	accacagagc	anacagacca	240
ntgatgacca	tgggcgggag	cgagcctctt	ccctgnaccg	gggtggcana	nganagccta	300
nctgaggggt	cacactataa	acgttaacga	ccnagatnan	cacctgcttc	aagtgcaccc	360
ttcctacctg	acnaccagn	accnnnaact	gcngcctggg	gacagcncctg	ggancagcta	420
acnnagcact	cacctgcccc	cccatggcgg	tncgcntccc	tggtctctgnc	aagggaagct	480
ccctgttgga	attncggggga	naccaaggga	nccccctctt	ccanctgtga	aggaaaaann	540
gatggaattt	tncccttccg	gccnntcccc	tcttctctta	cacgccccct	mntactcntc	600
tcctctctnt	ntcctgcncc	acttttnacc	ccnnnatctt	ccttnattga	tcggannctn	660
ganattccac	tnccgcctnc	cntcnatcng	naanacnaaa	nactntctna	ccnnggggat	720
gggnncctcg	ntcactctct	ctttttcnct	accnccnntt	ctttgcctct	ccttn gatca	780

tccaacntc gntggcctn ccccccnnn tcttttncce

820

<210> 27
<211> 818
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(818)
<223> n = A,T,C or G

<400> 27

tctgggtgat	ggcctcttcc	tcttcagggg	cctctgactg	ctctgggcca	aagaatctct	60
tgtttcttct	ccgagcccca	ggcagcgggtg	attcagccct	gccaacctg	attctgatga	120
ctgcgggatgc	tgtgacggac	ccaaggggca	aatagggtcc	caggggtccag	ggagggggcgc	180
ctgctgagca	cttcgcgcc	tcacctgccc	cagccctgccc	catgagctct	gggctgggtc	240
tccgcctcca	gggtttctgct	cttcacangca	ngccancaaag	tggcgctggg	ccacactggc	300
ttcttctctg	cccttccctg	gctctganc	tctgtcttcc	tgctctgtgc	angcnccttg	360
gatctcagtt	tccctcncct	anngaactct	gtttctgann	tcttcantta	actntgantt	420
tatnaccnan	tggnctgtnc	tgctcnaactt	taatgggccc	gaccggctaa	tccctccctc	480
netcccttcc	anttcnnnna	accngcttnc	ctctctctcc	ccctancccg	ccnggggaanc	540
ctcctttgcc	ctnaccangg	gcccnnaccg	ccctnnctn	ggggggcngg	gtnnctncnc	600
ctgntnnccc	cncctcncnt	tnctctgccc	cnnccnccgc	ngcannctc	ncngtcccnn	660
tnctctctcn	ngntctcnaa	ngntcncntn	tnnnnngncc	ngntnntncc	tccctctcnc	720
cnnntgnang	tnnttnnnnc	ncngnncccc	nnnnccnnnn	nggnnnntnn	tctcncngcc	780
cccnncccc	ngnattaagg	cctccnntct	ccggccnc			818

<210> 28
<211> 731
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(731)
<223> n = A,T,C or G

<400> 28

aggaagggcg	gagggatatt	gtanggggatt	gaggggatagg	agnataangg	gggaggtgtg	60
tccaacatg	anggtgnggt	tctcttttga	angaggggtg	ngtttttann	ccnggtgggt	120
gattnaacc	cattgtatgg	agnnaaagg	tttnagggat	tttctggctc	ttatcagtat	180
ntanattcct	gtnaatcgga	aaatnatntt	tcnnccggaa	aatnttgctc	ccatccgnaa	240
attncctccg	ggtagtgc	nttnggggg	cngccangtt	tcccaggtc	ctanaatcgt	300
actaaagntt	naagtgggan	tncaaataa	aacctnncc	agagnatccn	taccgcactg	360
tnnttncct	tcgcccctng	actctgcng	agcccaatac	ccnngngnat	gtcncccngn	420
nnngcgcnc	tgaaannnnc	tcgnggctnn	gancatcang	gggtttcgca	tcaaaagcnn	480
cgtttncat	naaggcactt	tnccctcctc	caaccnctng	ccctcnncca	tttngccgtc	540
nggttncct	acgctnntng	cncctnnntn	ganattttnc	ccgcctnggg	naancctcct	600
gnaatgggta	gggnccttnc	ttttnacenn	gnggtntact	aatcnnctnc	acgctnctt	660
tctcnacccc	cccccttttt	caatcccanc	ggcnaatggg	gtctccccnn	cgangggggg	720
nnnccannc	c					731

<210> 29

<211> 822
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(822)
 <223> n = A,T,C or G

<400> 29
 actagtccag tgtggtggaa ttccattgtg ttggggncnc ttctatgant antnttagat 60
 cgctcanacc tcacancctc ccnacnangc ctataangaa nannaataga nctgtncnnt 120
 atntntacnc tcatanncct cnnnaccac tccctcttaa cccntactgt gcctatngcn 180
 tnnctantct ntgcgcgctn cnanccaccn gtgggcnac cncnngnatt ctcnatctcc 240
 tcnccatntn gcctananta ngtnccatacc ctatacctac nccaatgcta nnnctaancn 300
 tccatnantt annntaacta ccaactgaent ngactttcnc atnanctcct aatttgaatc 360
 tactctgact cccacngcct annnattagc ancntcccc nacnatntct caaccaaadc 420
 ntcaacaacc tatctantctg ttcnccaacc nttncctccg atccccnnac aacccccctc 480
 ccaaataccc nccaactgac ncctaaccn caccatcccg gcaagccnan ggnccatttan 540
 ccactggaat cacnatngga naaaaaaac ccnaactctc tancncnnat ctccctaana 600
 aatnctcctn naatttactn ncantnccat caancccaen tgaaacnnaa cccctgtttt 660
 tanatccctt ctttcgaaaa ccnacccttt annncccaac ctttngggcc ccccnctnc 720
 ccnaatgaag gncncccaat cnangaaacg nccntgaaaa ancnaggcna anannntccg 780
 canatcctat cccttanttn ggggnccctt ncccnngggc cc 822

<210> 30
 <211> 787
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(787)
 <223> n = A,T,C or G

<400> 30
 cggcgcgctg ctctggcaca tgcctcctga atggcatcaa aagtgatgga ctgcccattg 60
 ctagagaaga cttctctctc tactgtcatt atggagccct gcagactgag ggctcccctt 120
 gtctgcagga tttgatgtct gaagtcgtgg agtgtggctt ggagctctc atctacatna 180
 gctggaagcc ctggagggcc tctctcgcca gcctccccct tctctccacg ctctccangg 240
 acaccagggg ctccaggcag cccattattc ccagnangac atgggtgttc tccacgcgga 300
 cccatggggc ctgnaaggcc aggggtctct ttgacaccat ctctcccgte ctgctggca 360
 ggccgtggga tccactantt ctanaacggn cgccaccnag gtgggagctc cagcttttgt 420
 tcccnttaat gaaggtaaat tgcncgcttg gcgtaatcat nggtcanaac tntttcctgt 480
 gtgaaattgt ttntccctc ncnattccnc ncnacatacn aacccggaan cataaagtgt 540
 taaagcctgg gggtnccctn nngaataaac tnaactcaat taattgcgtt ggctcatggc 600
 ccgctttccn ttcnngaaaa ctgtcntccc ctgcnttntt gaatcggcc ccccnnggg 660
 aaaagcgggt tgcnttttng ggggntcctt ccncttcccc cctcnctaan cccnccgct 720
 cggtcgttnc nggtngcggg gaangggnat nnnctcccnc naagggggng agnnngntat 780
 ccccaaa 787

<210> 31
 <211> 799
 <212> DNA

00654236-032900

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(799)

<223> n = A,T,C or G

<400> 31

tttttttttt	tttttttggc	gatgctactg	tttaattgca	ggaggtgggg	gtgtgtgtac	60
catgtaccag	ggctattaga	agcaagaagg	aaggaggagg	ggcagagcgc	cctgctgagc	120
aacaaaggac	tccctgcagcc	ttctctgtct	gtctcttggc	gcaggcacat	ggggaggcct	180
cccgcagggt	gggggccacc	agtccagggg	tgggagcact	acanggggtg	ggagtgggtg	240
gtggctggtn	cnaatggcct	gncacanatc	cctacgattc	ttgacacctg	gatttcacca	300
ggggaccttc	tgttctccca	nggnaacttc	ntnnatctcn	aaagaacaca	actgtttctt	360
cngcanttct	ggctgttcat	ggaaagcaca	ggtgtccnat	ttnggctggg	acttgggtaca	420
tatggttccg	gcccacctct	cccntcnaa	aagtaattca	ccccccccc	ccntctnttg	480
cctgggccct	taantaccca	caccggaact	canttantta	ttcatcttng	gntgggcttg	540
ntnatcnccn	cctgaangcg	caaagttgaa	aggccacgcc	gtncccnctc	cccatagnan	600
ntttttnct	canctaagtc	ccccccnggc	aacnatccaa	tcccccccn	tggggggccc	660
agcccanggc	ccccgnctcg	ggnnnccngn	cncgnantcc	ccaggntctc	ccantcngnc	720
ccnnngcncc	cccgcacgca	gaacanaagg	ntngagccnc	cgcannnnnn	nggtnncnac	780
ctcgcccccc	ccnnccgng					799

<210> 32

<211> 789

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(789)

<223> n = A,T,C or G

<400> 32

tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	60
tttttncnag	ggcaggttta	ttgacaacct	cncgggacac	aancaggctg	gggacaggac	120
ggcaacaggc	tccggcggcg	gcggcgggcg	ccctacctgc	ggtaccaa	ntgcagcctc	180
cgctccccgt	tgatnttcct	ctgcagctgc	aggatgccnt	aaaacagggc	ctcggccntn	240
ggtgggcacc	ctgggatttn	aattttccacg	ggcacaatgc	ggtcgcancc	cctcaccacc	300
nattaggaat	agtggtnnta	cccncnccg	ttggcncact	ccccntggaa	accacttntc	360
gcggctccgg	catctggctc	taaaccttgc	aaacnctggg	gcccctcttt	tggttantnt	420
nccngccaca	atcatnactc	agactggcnc	gggctggccc	caaaaaancn	ccccaaaacc	480
ggnccatgtc	ttnnccgggt	tgctgcnatn	tncatcacct	cccgggcnca	ncaggncaac	540
ccaaaagttc	ttgngggccn	caaaaaanct	ccgggggggnc	ccagtttcaa	caaagtcac	600
ccccttggcc	cccaaactct	ccccccgntt	nctgggtttg	ggaacccacg	cctctnnctt	660
tggnnngcaa	gntggntccc	ccttcggggc	cccgggtggg	ccnnctctaa	ngaaaacncc	720
ntcctnnnca	ccatcccccc	nngnnacgnc	tancaangna	tccctttttt	tanaaacggg	780
ccccccnccg						789

<210> 33

<211> 793

<212> DNA

<213> Homo sapien

006230 "GETS950"

<220>
 <221> misc_feature
 <222> (1)...(793)
 <223> n = A,T,C or G

<400> 33
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 aattcatggc tgttggagca atanaacccc agttctacga gctgctgac aaaggacttg 120
 gactaaagtc tgatgaactt cccaatcaga tgagcatgga tgattggcca gaaatgaana 180
 agaagtttgc agatgtatth gcaaagaaga cgaaggcaga gtggtgtcaa atctttgacg 240
 gcacagatgc ctgtgtgact ccggttctga cttttgagga ggttggtcat catgatcaca 300
 acaangaacg gggctcgtht atccaccantg aggagcagga cgtgagcccc cgccctgcac 360
 ctctgctgtht aaacacccca gccatccctt ctttcaaaag ggatccacta cttctagagc 420
 ggncgccacc gcggtggagc tccagcttht gttcccttht gtgagggtta attgcgcgct 480
 tggcgtaatc atggtcatan ctgtttcctg tgtgaaattg ttatccgctc acaattccac 540
 acaacatacg anccggaagc atnaaattth aaagcctggn ggtngcctaa tgantgaact 600
 nactcacatt aattggctth gcgctcactg cccgctthtc agtccggaaa acctgtcctt 660
 gccagctgcc nttaatgaat cnggccacc cccggggaaa aggcngtttg cttnttgggg 720
 cgcncctccc gctthtctgc ttctgaant ccttcccccc ggtctthtcg cttgcggcna 780
 acggtatcna cct 793

<210> 34
 <211> 756
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(756)
 <223> n = A,T,C or G

<400> 34
 gccgcgaccg gcatgtacga gcaactcaag ggcgagtgga accgtaaaaag ccccaatctt 60
 ancaagtgcg ggggaanagct gggtcgactc aagctagttc ttctggagct caacttcttg 120
 ccaaccacag ggaccaagct gaccaaacag cagctaattc tggcccggtga catactggag 180
 atcggggccc aatggagcat cctacgcaan gacatccccct ccttcgagcg ctacatggcc 240
 cagctcaaat gctactactt tgattacaan gagcagctcc ccgagtcagc ctatatgcac 300
 cagctcttgg gcctcaacct cctcttctctg ctgtccaga accgggtggc tgantnccac 360
 acgganttgg ancggctgcc tgcccaanga catacanacc aatgtctaca tcnaccacca 420
 gtgtcctgga gcaatactga tgganggcag ctaccncaa gtnttctctg ccnagggtaa 480
 catccccgc cgagagctac accttcttca ttgacatcct gctcgacact atcagggatg 540
 aaaatcgcn ggttgctcca gaaaggctnc aanaanatcc ttttctctga agggccccgg 600
 atncnctagt nctagaatcg gcccgccatc gcggtgganc ctccaacctt tcgttnccct 660
 ttactgaggg ttnattgccg cccttggcgt tatcatggtc acncngttn cctgtgttga 720
 aattnttaac cccccacaat tccacgcna cattn 756

<210> 35
 <211> 834
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(834)

<223> n = A,T,C or G

<400> 35

ggggatctct	anacnacct	gnatgcatgg	ttgtcggtgt	ggtcgctgtc	gatgaanatg	60
aacaggatct	tgcccttgaa	gctctcggt	gctgtnttta	agttgctcag	tctgccgtca	120
tagtcagaca	cncctctggg	caaaaaacan	caggatntga	gtcttgattt	cacctccaat	180
aatcttcngg	gctgtctgct	cggtgaactc	gatgaacnang	ggcagctggg	tgtgtntgat	240
aaantccanc	angttctcct	tggtgacctc	cccttcaaag	ttgttcgggc	cttcatcaaa	300
cttctnnaan	angannancc	cancctttgtc	gagctggnat	ttgganaaca	cgtcactgtt	360
ggaaactgat	cccaaattgg	atgtcatcca	tcgctctgct	tgccctgcaa	aaacttgctt	420
ggcncaaate	cgactccccc	tccttgaaag	aagccnatca	cacccccctc	cctggactcc	480
nncaangact	ctnccgctnc	cccntccnng	cagggttggg	ggcannccgg	gccccctgcg	540
ttcttcagcc	agttcacnat	nttcatcagc	ccctctgcca	gctgttntat	tccttggggg	600
ggaanccgtc	tctcccttcc	tgaannaact	ttgaccgtng	gaatagccgc	gcntcncnt	660
acntnctggg	ccgggttcaa	antccctccn	ttgncnntcn	cctcgggcca	ttctggattt	720
nccnaacttt	ttccttcccc	cncctcncgg	ngtttggnnt	tttcatnggg	ccccaaactc	780
gctnttggcc	antccctctg	gggcntntan	cncctcctnt	ggcc		834

<210> 36

<211> 814

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(814)

<223> n = A,T,C or G

<400> 36

cggnccgttt	ccngccgcgc	cccgtttcca	tgaacnaaggc	tccttccang	ttaaatacnn	60
cctagnaaac	attaatgggt	tgtctacta	atacatcata	cnaaccagta	agcctgcca	120
naacgccaac	tcaggccatt	cctaccaaag	gaagaaaggc	tggtctctcc	acccccgtga	180
ggaaaggcct	gccttgtaag	acaccacaat	ncggctgaat	ctnaagtctt	gtgttttact	240
aatggaaaaa	aaaaataaac	aanagggttt	gttctcatgg	ctgcccaccg	cagcctggca	300
ctaaaacanc	ccagcgctca	cttctgcttg	ganaaatatt	ctttgctctt	ttggacatca	360
ggcttgatgg	tatcactgcc	acntttccac	ccagctgggc	ncccttcccc	catntttgtc	420
antganctgg	aaggcctgaa	ncttagtctc	caaaagtctc	ngcccacaag	accggccacc	480
agggggangtc	ntttncagtg	gatctgcca	anantaccn	tatcatcnnt	gaataaaaaag	540
gcccctgaac	ganatgcttc	cancancctt	taagacccat	aatcctngaa	ccatggtgcc	600
cttccggtct	gatecnaaag	gaatgttcct	gggtcccant	ccctcctttg	ttnccttaagt	660
tgtnttgga	cctgtctngn	atnaccnaan	tganatcccc	ngaagcacc	tnccctggc	720
atttganttt	cntaaattct	ctgccctacn	nctgaaagca	cnattccctn	ggcncnnaan	780
ggngaactca	agaaggctcn	ngaaaaacca	cncn			814

<210> 37

<211> 760

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(760)

<223> n = A,T,C or G

006530 "065900

<400> 37

gcacgtctgct	cttcctcaaa	gttggttcttg	ttgccataac	aaccaccata	ggtaaagcgg	60
gcgcagtgtt	cgctgaagg	gttgtagtac	cagcgcgga	tgctctcctt	gcagagtcct	120
gtgtctggca	ggccacgca	atgccctttg	tcactgggga	aatggatgcg	ctggagctcg	180
tcnaanccac	tcgtgtat	ttcacangca	gcctcctccg	aagcctccgg	gcagttgggg	240
gtgtcgtcac	actccactaa	actgtcgatn	cancagccca	ttgctgcagc	ggaactgggt	300
gggctgacag	gtgccagaac	acactggatn	ggcctttcca	tggaagggcc	tgggggaaat	360
cncctnancc	caaaactgcct	ctcaaaggcc	accttgacac	ccccgacagg	ctagaaatgc	420
actcttcttc	ccaaaggtag	ttgttcttgt	tgcccaagca	ncctccanca	aacccaaanc	480
ttgcaaaatc	tgctccgtgg	gggtcatnnn	taccanggtt	ggggaaanaa	acccggcngn	540
gancncctt	gtttgaatgc	naaggnaata	atcctcctgt	cttgcttggg	tggaanagca	600
caattgaact	gttaacnttg	ggccnggttc	cncctngggg	gtctgaaact	aatcacgcgc	660
actggaaaaa	ggtangtgcc	ttccttgaat	tcccaaantt	ccccctngnt	tggttnnttt	720
ctcctctncc	ctaaaaatcg	tnttcccccc	ccntangggc			760

<210> 38

<211> 724

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(724)

<223> n = A,T,C or G

<400> 38

tttttttttt	tttttttttt	tttttttttt	tttttaaaaa	ccccctccat	tgaatgaaaa	60
cttcnnaaat	tgtccaaccc	cctcncccaa	atnnccat	ccgggggggg	gttccaaacc	120
caaattaatt	ttgganttta	aattaaatnt	tnattngggg	aanaanccaa	atgtnaagaa	180
aatttaaccc	attatnaact	taaatnccn	gaaacccttg	gnttccaaaa	atttttaacc	240
cttaaatccc	tccgaaattg	ntaanggaaa	accaaattcn	cctaaggctn	tttgaagggt	300
ngatttaaac	ccccttnant	tnttttnacc	cnngnctnaa	ntatttngnt	tccggtgttt	360
tcctnttaan	cntnggtaac	tcccgnata	gaannnccct	aanccaatta	aaccgaattt	420
tttttgaatt	ggaaattccn	ngggaattna	ccgggggttt	tcccttttgg	gggccatncc	480
cccnctttcg	gggtttgggn	ntaggttgaa	tttttnnang	ncccaaaaaa	nccccnaana	540
aaaaaactcc	caagnnttaa	ttngaantnc	ccccttccca	ggccttttgg	gaaaggnggg	600
ttnttggggg	ccngggantt	cnttcccccn	ttncncccc	ccccccnggt	aaanggttat	660
ngnntttggt	ttttgggccc	cttnangggac	cttcgggatn	gaaattaaat	ccccggngcg	720
gccg						724

<210> 39

<211> 751

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(751)

<223> n = A,T,C or G

<400> 39

tttttttttt	tttttctttg	ctcacattta	atttttat	tgattttttt	taatgctgca	60
caacacaata	tttatttcat	ttgtttcttt	tatttccatt	tatttggttg	ctgctgctgt	120
tttatttatt	tttactgaaa	gtgagaggga	acttttgtgg	ccttttttcc	tttttctgta	180

00651236 006230 965960

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ggccgcctta agcttttctaa atttggaaca tctaagcaag ctgaanggaa aaggggggttt 240
cgcaaaatca ctcgggggaa nggaaagggtt gctttgttaa tcatgcccta tgggtgggtga 300
ttaactgctt gtacaattac ntttcacttt taattaattg tgctnaangc ttttaattana 360
cttgggggtt cctcccccac accaaccnccn ctgacaaaaa gtgccngccc tcaaatnatg 420
tcccggcnnt cnttgaaaca cacngcngaa ngttctcatt ntcccnccnc caggtnaaaa 480
tgaagggtta ccatntttta cncacactcc acntggcnnn gcctgaatcc tcnaaaanccn 540
ccctcaanccn aattnctnng ccccggtcnc gentnngtcc cnccegggct ccgggaantn 600
cacccccnga annnntnnc naacnaaatt ccgaaaatat tcccnntcnc tcaattcccc 660
cnnagactnt cctcnncnan cncaattttc ttttnntcac gaacncgnnc cnnaaaatgn 720
nnnnncnctc cnetngtccn naatcnccan c 751

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<210> 40
<211> 753
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(753)
<223> n = A,T,C or G

```

```

<400> 40
gtggtatttt ctgtaagatc aggtgttctt cctctgtagg tttagaggaa acaccctcat 60
agatgaaaac ccccccgaga cagcagcaact gcaactgcca agcagccggg gtaggagggg 120
cgccctatgc acagctgggc ccttgagaca gcagggtctt gatgtcaggc tcgatgtcaa 180
tggctctggaa gcggcggtcg tacctgcgta ggggcacacc gtcaggggccc accaggaact 240
tctcaaagt ccaggcaacn tcgttgcgac acaccggaga ccagggtgatn agcttgggggt 300
cggtcataa cgcggtggcg tcgtcgctgg gagctggcag ggcctcccg caggaaaggcna 360
ataaaagggt cgcccccgca ccgttcant cgcacttctc naanaccatg angttgggct 420
cnaaccacc accannccgg acttccttga nggaattccc aaatctcttc gntcttgggc 480
ttctnctgat gccctantcg gttgcccnng atgccaanca nccccaancc ccgggggtcct 540
aaancaccn cctcctcntt tcatctgggt tntntcccc ggaccttggt tctctcaag 600
ggancccata tctcnaccan tactcacnt nccccccnt gnnaccanc cttctanngn 660
tcccccccg nctctggcc cntcaaanan gcttnacna cctgggtctg ccttcccccc 720
tncctatct gnacccnccn tttgtctcan tnt 753

```

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<210> 41
<211> 341
<212> DNA
<213> Homo sapien

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<400> 41
actatatcca tcacaacaga catgcttcat cccatagact tcttgacata gcttcaaagt 60
agtgaacca tccttgattt atatacatat atgttctcag tattttggga gcctttccac 120
ttctttaaac cttgttcatt atgaacactg aaaataggaa tttgtgaaga gttaaaaagt 180
tatagcttgt ttacgtagta agtttttgaa gtctacattc aatccagaca cttagttag 240
tggttaaact tgatttttaa aaaatatcat ttgagaatat tctttcagag gtattttcat 300
ttttactttt tgattaattg tgttttatat attagggtag t 341

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<210> 42
<211> 101
<212> DNA
<213> Homo sapien

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<400> 42
 acttactgaa ttttagttctg tgctcttctt tatttagtgt tgtatcataa atactttgat 60
 gtttcaaaca ttctaaataa ataattttca gtggcttcat a 101

<210> 43
 <211> 305
 <212> DNA
 <213> Homo sapien

<400> 43
 acatctttgt tacagtctaa gatgtgttct taaatcacca ttccttcttg gtcctcacc 60
 tccagggtgg tctcacactg taattagagc tattgaggag tctttacagc aaattaagat 120
 tcagatgcct tgctaagtct agagttctag agttatgttt cagaaagtct aagaaaccca 180
 cctcttgaga ggtcagtaaa gaggacttaa ttttcatat ctacaaaatg accacaggat 240
 tggatacaga acgagagtta tcttgataa ctcagagctg agtacctgcc cgggggccgc 300
 tcgaa 305

<210> 44
 <211> 852
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(852)
 <223> n = A,T,C or G

<400> 44
 acataaatat cagagaaaag tagtctttga aatatttacg tccaggagtt ctttgtttct 60
 gattatttgg tgtgtgtttt ggtttgtgtc caaagtattg gcagcttcag ttttcatttt 120
 ctctccatcc tcgggcattc ttcccaaatt tatataccag tcttcgtcca tccacacgct 180
 ccagaatttc tctttttag tagtatctca tagctcggct gagcttttca taggtcatgc 240
 tgctgttgtt cttcttttta ccccatagct gagccactgc ctctgatttc aagaacctga 300
 agacgccctc agatcgggtc tcccatttta ttaatcctgg gttcttgtct ggggtcaaga 360
 ggatgtcgcg gatgaattcc cataagttag tccctctcgg gttgtgcttt ttgggtgtggc 420
 acttggcagg ggggtcttgc tcttttttca tatcagggtga ctctgcaaca ggaaggtgac 480
 tgggtgttgt catggagatc tgagcccggc agaaagtttt gctgtccaac aaatctactg 540
 tgctaccata gttggtgtca tataaatagt tctngtcttt ccagggtgtc atgatggaag 600
 gctcagtttg ttcagtcttg acaatgacat tgtgtgtgga ctggaacagg tccactactgc 660
 actggccgtt ccacttcaga tgctgcaagt tgctgtagag gagntgcccc gccgtccctg 720
 ccgcccgggt gaactcctgc aaactcatgc tgcaaagggtg ctgccggtg atgtcgaact 780
 cntggaaagg gatacaattg gcatccagct ggttggtgtc caggaggtga tggagccact 840
 cccacacctg gt 852

<210> 45
 <211> 234
 <212> DNA
 <213> Homo sapien

<400> 45
 acaacagacc cttgctcgtc aacgacctca tgctcatcaa gttggacgaa tccgtgtccg 60
 agtctgacac catccggagc atcagcattg cttcgcagtg ccctaccgcg gggaaactctt 120
 gcctcgtttc tggctgggtg ctgctggcga acggcagaat gcctaccgtg ctgcagtgcg 180
 tgaacgtgtc ggtggtgtct gaggaggtct gcagtaagct ctatgacccg ctgt 234

<210> 46
 <211> 590
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (590)
 <223> n = A,T,C or G

<400> 46
 acttttttatt taaatgttta taaggcagat ctatgagaat gatagaaaac atgggtgtgta 60
 atttgatagc aatatttttg agattacaga gtttttagtaa ttaccaatta cacagttaaa 120
 aagaagataa tatattccaa gcanatacaa aatatctaata gaaagatcaa ggcaggaaaa 180
 tgantataac taattgacaa tggaaaatca attttaaatgt gaattgcaca ttatccttta 240
 aaagctttca aaanaanaa ttattgcagt ctanttaatt caaacagtgt taaatgggtat 300
 caggataaan aactgaaggg canaaagaat taattttcac ttcattgtaac ncacccanatt 360
 ttacaatggc ttaaattgcan ggaaaaagca gtggaagtag ggaagtantc aagggtctttc 420
 tgggtctctaa tctgccttac tctttgggtg tggctttgat cctctggaga cagctgccag 480
 ggctcctgtt atatccacaa tcccagcagc aagatgaagg gatgaaaaag gacacatgct 540
 gccttccttt gaggagactt catctcactg gccaacactc agtcacatgt 590

<210> 47
 <211> 774
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (774)
 <223> n = A,T,C or G

<400> 47
 acaagggggc ataatgaagg agtgggggana gatttttaag aaggaaaaaa aacgaggccc 60
 tgaacagaat tttcctgnac aacggggcctt caaaataatt ttcttgggga ggttcaagac 120
 gcttactgc ttgaaactta aatggatgtg ggacanaatt ttctgtaatg accctgaggg 180
 cattacagac gggactctgg gaggaaggat aaacagaaaag gggacaaaag ctaatcccaa 240
 aacatcaaag aaaggaaggt ggcgtcatal ctcccagcct acacagttct ccagggtctct 300
 cctcatccct ggaggacgac agtggaggaa caactgacca tgtccccagg ctctgtgtg 360
 ctggctcctg gtcttcagcc cccagctctg gaagcccacc ctctgctgat cctgcgtggc 420
 ccacactcct tgaacacaca tccccagggtt atattcctgg acatggctga acctcctatt 480
 cctacttccg agatgccttg ctccctgcag cctgtcaaaa tcccactcac cctccaaacc 540
 acggcatggg aagcctttct gacttgcttg attactccag catcttggaa caatccctga 600
 ttccccactc cttagaggca agataggggtg gttaagagta gggctggacc acttgagacc 660
 aggetgctgg cttcaaattt tggctcattt acgagctatg ggaccttggg caagtnatct 720
 tcacttctat gggcntcatt ttgttctacc tgcaaaatgg gggataataa tagt 774

<210> 48
 <211> 124
 <212> DNA
 <213> Homo sapien

<220>

006280"9CCT550

<221> misc_feature
 <222> (1)...(124)
 <223> n = A,T,C or G

<400> 48
 canaaaattga aatttttataa aaaggcattt ttctcttata tccataaaat gatataattt 60
 ttgcaantat anaaatgtgt cataaattat aatgttcctt aattacagct caacgcaact 120
 tggt 124

<210> 49
 <211> 147
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(147)
 <223> n = A,T,C or G

<400> 49
 gccgatgcta ctatttttatt gcaggaggtg ggggtgtttt tattattctc tcaacagctt 60
 tgtggctaca ggtgggtgtct gactgcatna aaaanttttt tacgggtgat tgcaaaaatt 120
 ttagggcacc catatcccaa gcantgt 147

<210> 50
 <211> 107
 <212> DNA
 <213> Homo sapien

<400> 50
 acattaaatt aataaaaagga ctgttgggggt tctgctaaaa cacatggctt gatatatattgc 60
 atggtttgag gttaggagga gttaggcata tgttttggga gaggggt 107

<210> 51
 <211> 204
 <212> DNA
 <213> Homo sapien

<400> 51
 gtctaggaa gtctagggga cacacgactc tgggggtcacg gggccgacac acttgcacgg 60
 cggaaggaa aggcagagaa gtgacaccgt cagggggaaa tgacagaaag gaaaatcaag 120
 gccttgcaag gtcagaaagg ggactcaggg cttccaccac agccctgcc cacttgcca 180
 cctccctttt gggaccagca atgt 204

<210> 52
 <211> 491
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(491)
 <223> n = A,T,C or G

<400> 52
 acaaagataa catatatctt ataacaaaaa tttgatagtt ttaaagggtta gtattgtgta 60
 gggatatttc caaaagacta aagagataac tcaggtaaaa agttagaaat gtataaaaca 120
 ccatcagaca ggttttttaa aaacaacata ttacaaaatt agacaatcat ccttaaaaaa 180
 aaaacttctt gtatcaatct cttttgttca aaatgactga cttaantatt tttaaatatt 240
 tcanaaacac ttcctcaaaa attttcaana tggtagcttt canatgtnc ctcagtccca 300
 atgttgctca gataaataaa tctcgtgaga acttaccacc caccacaagc tttctggggc 360
 atgcaacagt gtcttttctt tnccttttct tttttttttt ttacaggcac agaaactcat 420
 caattttatt tggataacaa aggggtctcca aattatattg aaaaataaat ccaagttaat 480
 atcactcttg t 491

<210> 53
 <211> 484
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (484)
 <223> n = A,T,C or G

<400> 53
 acataattta gcagggctaa ttaccataag atgctattta ttaanaggtt tatgatctga 60
 gtattaacag ttgctgaagt ttggatattt tatgcagcat tttctttttg ctttgataac 120
 actacagaac ccttaaggac actgaaaatt agtaagtaaa gttcagaaac attagctgct 180
 caatcaaata tctacataac actatagtaa ttaaaacggt aaaaaaaagt gttgaaatct 240
 gcaactagat anaccgctcc tgtcaggata anactgcttt ggaacagaaa gggaaaaanc 300
 agctttgant ttctttgtgc tgatangagg aaaggctgaa ttaccttggt gcctctccct 360
 aatgattggc aggtcnggta aatnccaaaa catattccaa ctcaacactt cttttccnec 420
 tancctgant ctgtgtattc caggancagg cggatggaat gggccagccc ncggatgttc 480
 cant 484

<210> 54
 <211> 151
 <212> DNA
 <213> Homo sapien

<400> 54
 actaaacctc gtgcttgatg actccatata gaaaacggtg ccatccctga acacggctgg 60
 ccactgggta tactgctgac aaccgcaaca aaaaaaacac aaatccttgg cactggctag 120
 tctatgtcct ctcaagtgcc tttttgtttg t 151

<210> 55
 <211> 91
 <212> DNA
 <213> Homo sapien

<400> 55
 acctggcttg tctccgggtg gttcccggcg cccccacgg tccccagAAC ggacactttc 60
 gccctccagt ggatactcga gccaaagtgg t 91

<210> 56
 <211> 133
 <212> DNA

00651236-082900

<213> Homo sapien

<400> 56

ggcggatgtg	cgttgggttat	atacaaatat	gtcattttat	gtaagggact	tgagtatact	60
tggatttttg	gtatctgtgg	gttgggggga	cggtccagga	accaataccc	catggatacc	120
aagggacaac	tgt					133

<210> 57

<211> 147

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (147)

<223> n = A,T,C or G

<400> 57

actctggaga	acctgagccg	ctgctccgcc	tctgggatga	ggtgatgcan	gcngtggcgc	60
gactgggagc	tgagcccttc	cctttgcgcc	tgccctcagag	gattgttgcc	gacntgcana	120
tctcantggg	ctggatncat	gcagggt				147

<210> 58

<211> 198

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (198)

<223> n = A,T,C or G

<400> 58

acagggatat	aggttttnaag	ttattgtnat	tgtaaaatac	attgaatttt	ctgtatactc	60
tgattacata	cattttatcct	ttaaaaaaga	tgtaaatctt	aattttttatg	ccatctatta	120
atttaccaat	gagttacctt	gtaaatgaga	agtcatgata	gcaotgaatt	ttaactagtt	180
ttgacttcta	agttttggt					198

<210> 59

<211> 330

<212> DNA

<213> Homo sapien

<400> 59

acaacaaatg	ggttgtgagg	aagtcttatac	agcaaaaactg	gtgatggcta	ctgaaaagat	60
ccattgaaaa	ttatcattaa	tgatttttaa	tgacaagtta	tcaaaaactc	actcaatttt	120
cacctgtgct	agcttgctaa	aatgggagtt	aactctagag	caaatatagt	atcttctgaa	180
tacagtcaat	aaatgacaaa	gccagggcct	acaggtgggt	tccagacttt	ccagaccag	240
cagaaggaat	ctattttatac	acatggatct	ccgtctgtgc	tcaaaaatacc	taatgatatt	300
tttcgtcttt	attggacttc	tttgaagagt				330

<210> 60

<211> 175

<212> DNA

00654236-082500

<213> Homo sapien

<400> 60

accgtgggtg	ccttctacat	tcctgacggc	tccttcacca	acatctggtt	ctacttcggc	60
gtcgtgggtc	ccttctctct	catcctcacc	cagctgggtc	tgctcatcga	ctttgcgcac	120
tcctggaacc	agcgggtggc	gggcaaggcc	gaggagtgcg	attcccgtgc	ctggt	175

<210> 61

<211> 154

<212> DNA

<213> Homo sapien

<400> 61

acccacttt	tctcctgtg	agcagtctgg	acttctcact	gctacatgat	gagggtagt	60
ggttgttgct	cttcaacagt	atcctccct	ttccggatct	gctgagccgg	acagcagtgc	120
tggactgcac	agccccggg	ctccacattg	ctgt			154

<210> 62

<211> 30

<212> DNA

<213> Homo sapien

<400> 62

cgctcgagcc	ctatagttag	tcgtattaga	30
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<210> 63

<211> 89

<212> DNA

<213> Homo sapien

<400> 63

acaagtcatt	tcagcacct	ttgctcttca	aaactgacca	tcttttatat	ttaatgcttc	60
ctgtatgaat	aaaaatggtt	atgtcaagt				89

<210> 64

<211> 97

<212> DNA

<213> Homo sapien

<400> 64

accggagtaa	ctgagtcggg	acgctgaatc	tgaatccacc	aataaataaa	ggttctgcag	60
aatcagtgc	tcaggattg	gtccttgat	ctggggt			97

<210> 65

<211> 377

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (377)

<223> n = A,T,C or G

<400> 65

006230" 9E2T560

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acaacaanaa ntcccttctt taggccactg atggaaacct ggaacccctt tttgatggca      60
gcatggcgctc ctaggccttg acacagcggc tgggggtttgg gctntcccaa accgcacacc    120
ccaaccctgg tctaccaca nttctggcta tgggctgtct ctgccactga acatcagggt      180
tcggtcataa natgaaatcc caanggggac agaggctcagt agaggaagct caatgagaaa    240
ggtgctgttt gctcagccag aaaacagctg cctggcattc gccgctgaac tatgaacccg    300
tgggggtgaa ctaccccan gaggaatcat gcctgggcga tgcaanggtg ccaacaggag      360
gggcgggagg agcatgt                                     377

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```

<210> 66
<211> 305
<212> DNA
<213> Homo sapien

```

```

<400> 66
acgcctttcc ctcagaattc agggaagaga ctgtcgctcg ccttcctccg ttgttgctgtg      60
agaaccctgt tgcccttcc caccatatcc accctcgctc catctttgaa ctcaaacacg    120
aggaaactaac tgcacctgg tctctcccc agtccccagt tcacctcca tccctcacct      180
tctccactc taagggatat caacactgcc cagcacaggg gccctgaatt tatgtggttt    240
ttatatattt ttttaataaga tgcactttat gtcatttttt aataaagtct gaagaattac    300
tgttt                                     305

```

```

<210> 67
<211> 385
<212> DNA
<213> Homo sapien

```

```

<400> 67
actacacaca ctccacttgc ctttgtgaga cactttgtcc cagcacttta ggaatgctga      60
ggtcggacca gccacatctc atgtgcaaga ttgccagca gacatcaggt ctgagagttc    120
ccctttttaa aaaggggact tgcctaaaaa agaagtctag ccacgattgt gtagagcagc    180
tgtgctgtgc tggagattca cttttgagag agttctctc tgagacctga tcttttagagg    240
ctgggcagtc ttgcacatga gatggggctg gtctgatctc agcactcctt agtctgcttg    300
cctctcccag ggccccagcc tggccacacc tgcttacagg gcactctcag atgccatac      360
catagtttct gtgctagtgg accgt                                     385

```

```

<210> 68
<211> 73
<212> DNA
<213> Homo sapien

```

```

<400> 68
acttaaccag atatatTTTT accccagatg gggatattct ttgtaaaaaa tgaaaataaa      60
gtttttttaa tgg                                     73

```

```

<210> 69
<211> 536
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(536)
<223> n = A,T,C or G

```

<400> 69

actagtccag	tgtggtggaa	ttccattgtg	ttggggggtc	tcacctcct	ctcctgcagc	60
tccagctttg	tgctctgect	ctgaggagac	catggcccag	catctgagta	ccctgctgct	120
cctgctggcc	accctagctg	tggccctggc	ctggagcccc	aaggaggagg	ataggataat	180
cccgggtggc	atctataacg	cagacctcaa	tgatgagtgg	gtacagcgtg	cccttcactt	240
cgccatcagc	gagtataaca	aggccaccaa	agatgactac	tacagacgtc	cgctgcgggt	300
actaagagcc	aggcaacaga	ccgttggggg	ggtgaattac	ttcttcgacg	tagaggtggg	360
ccgaaccata	tgtaccaagt	cccagcccaa	cttggacacc	tgtgccttcc	atgaacagcc	420
agaactgcag	aagaaacagt	tgtgctcttt	cgagatctac	gaagtccct	ggggagaaca	480
gaangtcctt	gggtgaaatc	caggtgtcaa	gaaatcctan	ggatctgttg	ccaggc	536

<210> 70

<211> 477

<212> DNA

<213> Homo sapien

<400> 70

atgaccccta	acaggggccc	tctcagccct	cctaattgacc	tccggcctag	ccatgtgatt	60
tcacttccac	tccataacgc	tcctcatact	aggcctacta	accaacacac	taaccatata	120
ccaatgatgg	cgcgatgtaa	cacgagaaag	cacataccaa	ggccaccaca	caccacctgt	180
ccaaaaaggc	cttcgatacg	ggataatcct	atcttattacc	tcagaagtgt	ttttcttcgc	240
agggattttt	ctgagccttt	taccactcca	gcctagcccc	taccccccaa	ctaggagggc	300
actggccccc	aacaggcatc	accccgctaa	atcccttaga	agtccacttc	ctaaacacat	360
ccgtattact	cgcattcagga	gtatcaatca	cctgagctca	ccatagtcta	atagaaaaca	420
accgaaacca	aattattcaa	agcactgctt	attacaattt	tactgggtct	ctattttt	477

<210> 71

<211> 533

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (533)

<223> n = A,T,C or G

<400> 71

agagctatag	gtacagtgtg	atctcagctt	tgcaaacaca	ttttctacat	agatagtact	60
aggattaat	agatatgtaa	agaaagaaat	cacaccatta	ataatggtaa	gattggttta	120
tgtgatttta	gtggattttt	tggcaccctt	atatatgttt	tocaaacttt	cagcagtgat	180
attattttcca	taacttaaaa	agtgagtttg	aaaaagaaaa	tctccagcaa	gcatctcatt	240
taaataaagg	tttgtcatct	ttaaaaatac	agcaatatgt	gactttttta	aaaagctgtc	300
aaatagggtg	gaccctacta	ataattatta	gaaatacatt	taaaaacatc	gagtacctca	360
agtcagtttg	ccttgaaaaa	tatcaaatat	aactcttaga	gaaatgtaca	taaaagaatg	420
cttcgtaatt	ttggagtang	aggttccctc	ctcaattttg	tattttttaaa	aagtacatgg	480
taaaaaaaaa	aattcacaac	agtatataag	gctgtaaaaa	gaagaattct	gcc	533

<210> 72

<211> 511

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(511)

<223> n = A,T,C or G

<400> 72

tattacggaa	aaacacacca	cataattcaa	ctancaaaga	anactgcttc	agggcgtgta	60
aaatgaaagg	cttccaggca	gttatctgat	taaagaacac	taaaagaggg	acaaggctaa	120
aagccgcagg	atgtctacac	tatancaggc	gctatctggg	ttggctggag	gagctgtgga	180
aaacatggan	agattggtgc	tgganacgc	cgtggctatt	cctcattgtt	attacanagt	240
gaggttctct	gtgtgcccac	tggtttgaaa	accgttctnc	aataatgata	gaatagtaca	300
cacatgagaa	ctgaaatggc	ccaaaccag	aaagaaagcc	caactagatc	ctcagaanac	360
gcttctaggg	acaataaccg	atgaagaaaa	gatggcctcc	ttgtgcccc	gtctgttatg	420
atttctctcc	attgcagcna	naaaccggtt	cttctaagca	aacncagggtg	atgatggcna	480
aaatacaccc	cctcttgaag	naccnggagg	a			511

<210> 73

<211> 499

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(499)

<223> n = A,T,C or G

<400> 73

cagtgccagc	actggtgcc	gtaccagtac	caataacagt	gccagtgcc	gtgccagcac	60
cagtgggtggc	ttcagtgtcg	gtgccagcct	gaccgccact	ctcacatttg	ggctcttcgc	120
tggccttggg	ggagctggg	ccagcaccag	tggcagctct	ggtgctgtg	gtttctccta	180
caagtgagat	tttagatatt	gttaatcctg	ccagtctttc	tcttcaagcc	aggggtgcac	240
ctcagaaacc	tactcaacac	agcactctag	gcagccacta	tcaatcaatt	gaagttgaca	300
ctctgcatta	aatctatttg	ccatttctga	aaaaaaaaaa	aaaaaaaggg	cggccgctcg	360
antctagagg	gcccgtttta	accgctgat	cagcctcgac	tgtgccttct	anttgccagc	420
catctgttgt	ttgcccctcc	cccgttgcct	tccttgaccc	tggaaagtgc	cactcccact	480
gtcctttcct	aantaaaat					499

<210> 74

<211> 537

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(537)

<223> n = A,T,C or G

<400> 74

tttcatagga	gaacacactg	aggagatact	tgaagaattt	ggattcagcc	gcgaagagat	60
ttatcagctt	aactcagata	aatcattga	aagtaataag	gtaaaagcta	gtctctaact	120
tccaggccca	cggctcaagt	gaatttgaat	actgcattta	cagtgtagag	taacacataa	180
cattgtatgc	atggaaacat	ggaggaacag	tattacagtg	tcctaccact	ctaatacaga	240
aaagaattac	agactctgat	tctacagtga	tgattgaatt	ctaaaaatgg	taatcattag	300
ggctttttgat	ttataanact	ttgggtactt	atactaaatt	atggtagtta	tactgccttc	360
cagtttgctt	gatataattg	ttgatattaa	gattcttgac	ttatattttg	aatgggttct	420
actgaaaaan	gaatgatata	ttcttgaaga	catcgatata	catttattta	cactcttgat	480

tctacaatgt agaaaatgaa ggaaatgccc caaattgtat ggtgataaaa gtccccgt 537

<210> 75
 <211> 467
 <212> DNA
 <213> Homo sapien
 <220>
 <221> misc_feature
 <222> (1)...(467)
 <223> n = A,T,C or G

<400> 75
 caaanacaat tgttcaaaag atgcaaatga tacactactg ctgcagctca caaacacctc 60
 tgcataattac acgtacctcc tctgtctcct caagtagtgt ggtctatddd gccatcatca 120
 cctgctgtct gcttagaaga acggctttct gctgcaangg agagaaatca taacagacgg 180
 tggcacaagg aggccatctt ttctcatcgc gttattgtcc ctagaagcgt cttctgagga 240
 tctagttggg ctttctttct gggtttgggc catttcantt ctcatgtgtg tactattcta 300
 tcattattgt ataacggttt tcaaacnngt gggcacncag agaacctcac tctgtaataa 360
 caatgaggaa tagccacggg gatctccagc accaaatctc tccatgttnt tccagagctc 420
 ctccagccaa cccaaatagc cgctgctatn gtgtagaaca tccctgn 467

<210> 76
 <211> 400
 <212> DNA
 <213> Homo sapien
 <220>
 <221> misc_feature
 <222> (1)...(400)
 <223> n = A,T,C or G

<400> 76
 aagctgacag cattcggggc gagatgtctc gctccgtggc cttagctgtg ctgcgcctac 60
 tctctctttc tggcctggag gctatccagc gtactccaaa gattcagggt tactcaagtc 120
 atccagcaga gaatggaaa tcaaatttcc tgaattgcta tgtgtctggg ttcatccat 180
 ccgacattga agttgactta ctgaagaatg gagagagaat tgaaaaagt gagcattcag 240
 acttgtcttt cagcaaggac tggctcttct atctcttgta ctacactgaa ttcaccccca 300
 ctgaaaaaga tgagtatgcc tgccgtgtga accatgtgac tttgtcacag cccaagatng 360
 ttnagtggga tcganacatg taagcagcan catgggaggt 400

<210> 77
 <211> 248
 <212> DNA
 <213> Homo sapien

<400> 77
 ctggagtgcc ttggtgtttc aagccoctgc aggaagcaga atgcaccttc tgaggcacct 60
 ccagctgccc cggcggggga tgcgaggctc ggagcaccct tgcccggctg tgattgctgc 120
 caggcactgt tcatctcagc ttttctgtcc ctttgcctcc ggcaagcgt tctgctgaaa 180
 gttcatatct ggagcctgat gtcttaacga ataaaggctc catgctccac ccgaaaaaaa 240
 aaaaaaaa 248

<210> 78

<211> 201
 <212> DNA
 <213> Homo sapien

<400> 78
 actagtccag tgtggtggaa ttccattgtg ttggggcccaa cacaatggct acctttaaca 60
 tcaccagac cccgccctgc ccgtgcccc cgtgctgct aacgacagta tgatgcttac 120
 tctgtactc ggaaactatt tttatgtaat taatgtatgc tttcttggtt ataaatgcct 180
 gatttaaaaa aaaaaaaaaa a 201

<210> 79
 <211> 552
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (552)
 <223> n = A,T,C or G

<400> 79
 tccttttgtt aggtttttga gacaacccta gacctaaact gtgtcacaga cttctgaatg 60
 tttaggcagt gctagtaatt tctctgtaat gattctgtta ttactttcct attctttatt 120
 cctctttcct ctgaagatta atgaagttga aaattgaggt ggataaatac aaaaaggtag 180
 tgtgatagta taagtatcta agtgcagatg aaagtgtgtt atatatatcc attcaaaatt 240
 atgcaagtta gtaattactc agggtttaact aaattacttt aatatgctgt tgaacctact 300
 ctgttccttg gctagaaaaa attataaaca ggactttgtt agtttgggaa gccaaattga 360
 taatattcta tgttctaaaa gttgggctat acataaanta tnaagaaata tgggaatttta 420
 ttcccaggaa tatgggggtt atttatgaat antaccggg anagaagttt tgantnaaac 480
 cngttttgtt taatacgta atatgtcctn aatnaacaag gcntgactta tttccaaaaa 540
 aaaaaaaaaa aa 552

<210> 80
 <211> 476
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (476)
 <223> n = A,T,C or G

<400> 80
 acagggatth gagatgctaa ggccccagag atcgtttgat ccaaccctct tattttcaga 60
 ggggaaaaatg gggcctagaa gttacagagc atctagctgg tgcgctggca cccctggcct 120
 cacacagact cccgagtagc tgggactaca ggcacacagt cactgaagca ggcctgtttt 180
 gcaattcacg ttgccacctc caacttaaac attcttcata tgtgatgtcc ttagtcacta 240
 aggttaaact ttcccacca gaaaaggcaa cttagataaa atcttagagt actttcatac 300
 tcttctaagt cctcttccag cctcactttg agtcctcctt ggggggttgat aggaantntc 360
 tcttggtttt ctcaataaaa tctctatcca tctcatgttt aatttggtac gcntaaaaat 420
 gctgaaaaaa ttaaaatgtt ctggtttcnc tttaaaaaaa aaaaaaaaaa aaaaaa 476

<210> 81
 <211> 232

<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(232)
<223> n = A,T,C or G

<400> 81
 tttttttttg tatgcntcn ctgtgngtt attgttgctg ccacctgga ggagcccagt 60
 ttctttctgta tctttctttt ctgggggata ttcttggtc tgccctcca tcccagcct 120
 ctcaccccca tcttgactt ttgctagggt tggaggcgt ttctggtag cccctcagag 180
 actcagtcag cgggaataag tcttaggggt ggggggtgtg gcaagccggc ct 232

<210> 82
<211> 383
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(383)
<223> n = A,T,C or G

<400> 82
 aggcgggagc agaagctaaa gccaaagccc aagaagagtg gcagtgccag cactggtgcc 60
 agtaccagta ccaataacat gccagtgcc gtgccagcac cagtgggtggc ttcagtgtg 120
 gtgccagcct gaccgccact ctcacatttg ggctcttcgc tggccttggg ggagctggtg 180
 ccagcaccag tggcagctct ggtgcctgtg gtttctccta caagtgagat tttagatatt 240
 gttaatcctg ccagtctttc tcttcaagcc aggggtgcac ctcagaaacc tactcaacac 300
 agcactctng gcagccacta tcaatcaatt gaagttgaca ctctgcatta aatctatttg 360
 ccatttcaaa aaaaaaaaaa aaa 383

<210> 83
<211> 494
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(494)
<223> n = A,T,C or G

<400> 83
 accgaattgg gaccgtggc ttataagcga tcatgtctc cagtattacc tcaacgagca 60
 gggagatcga gtctatacgc tgaagaaatt tgaccgatg ggacaacaga cctgctcagc 120
 ccatcctgct cggttctccc cagatgacaa atactctcga caccgaatca ccatcaagaa 180
 acgcttcaag gtgctcatga cccagcaacc gcgcctgtc ctctgagggt ccttaaactg 240
 atgtcttttc tgccacctgt taccctcgg agactccgta accaaactct tcggactgtg 300
 agccctgatg cctttttgcc agccatactc tttggcntcc agtctctcgt ggcgattgat 360
 tatgcttggtg tgaggcaatc atgggtggcat caccatnaa gggaacacat ttganttttt 420
 tttncatat tttaaattac naccagaata nttcagaata aatgaattga aaaactctta 480
 aaaaaaaaaa aaaa 494

006230 " 9E2T5960

<210> 84
 <211> 380
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(380)
 <223> n = A,T,C or G

<400> 84
 gctggtagcc tatggcgtgg ccacggangg gctcctgagg cacgggacag tgacttccca 60
 agtatcctgc gccgcgtctt ctaccgtccc tacctgcaga tcttcgggca gattccccag 120
 gaggacatgg acgtggccct catggagcac agcaactgct cgtcggagcc cggcttctgg 180
 gcacaccctc ctggggccca ggccggcacc tgcgtctccc agtatgccaa ctggctggtg 240
 gtgctgctcc tcgtcatctt cctgctcgtg gccaacatcc tgctggtcac ttgctcattg 300
 ccatgttcag ttacacattc ggcaaagtac agggcaacag cnatctctac tgggaaggcc 360
 agcgttnccg cctcatccgg 380

<210> 85
 <211> 481
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(481)
 <223> n = A,T,C or G

<400> 85
 gagttagctc ctccacaacc ttgatgaggt cgtctgcagt ggcctctcgc ttcataccgc 60
 tnccatcgtc atactgtagg tttgccacca cctcctgcat cttggggcgg ctaatatcca 120
 ggaaactctc aatcaagtca ccgtcnatna aacctgtggc tggttctgtc ttccgctcgg 180
 tgtgaaagga tctccagaag gagtgtctga tcttccccac acttttgatg actttattga 240
 gtgcattctg catgtccagc aggaggttgt accagctctc tgacagttag gtcaccagcc 300
 ctatcatgcc nttgaacgtg ccgaagaaca ccgagccttg tgtggggggt gnagtctcac 360
 ccagattctg cattaccaga naccgctggc aaaaganatt gacaactcgc ccaggngaa 420
 aaagaacacc tcttggaagt gctngccgct cctcgtccnt tggtggnngc gentnccttt 480
 t 481

<210> 86
 <211> 472
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(472)
 <223> n = A,T,C or G

<400> 86
 aacatcttcc tgtataatgc tgtgtaatat cgatccgatn ttgtctgctg agaattcatt 60
 acttggaana gcaacttnaa gcctggacac tgggtattaaa attcacaata tgcaacactt 120
 taaacagtgt gtcaatctgc tcccttaact tgtcatcacc agtctgggaa taagggtatg 180

006280" 962T5950

```

ccctattcac acctgttaaa agggcgctaa gcatttttga ttcaacatct ttttttttga      240
cacaagtcgc aaaaaagcaa aagtaaacag ttnttaattt gttagccaat tcacttttctt      300
catgggacag agccatttga tttaaaaagc aaattgcata atattgagct ttgggagctg      360
atatntgagc ggaagantag cttttctact tcaccagaca caactccttt catattggga      420
tgtnnacnaa agttatgtct cttacagatg ggatgctttt gtggcaattc tg                472

```

```

<210> 87
<211> 413
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(413)
<223> n = A,T,C or G

```

```

<400> 87
agaaaccagt atctctnaaa acaacctctc ataccttgtg gacctaatTT tgtgtgcgtg      60
tgtgtgtgcg cgcataattat atagacaggc acatcttttt tacttttTga aaagcttatg      120
cctcttttgt atctatatct gtgaaagtTT taatgatctg ccataatgtc ttggggacct      180
ttgtcttctg tgtaaattggT actagagaaa acacctatnt tatgagtcaa tctagttngt      240
tttattcgac atgaaggaaa tttccagatn acaacactna caaactctcc cttgactagg      300
ggggacaaaag aaaagcanaa ctgaacatna gaaacaattn cctggtgaga aattncataa      360
acagaaattg ggtngtatat tgaaanannG catcattnaa acgttttttt ttt                413

```

```

<210> 88
<211> 448
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(448)
<223> n = A,T,C or G

```

```

<400> 88
cgcagcgggt cctctctatc tagctccagc ctctcgctg ccccaactccc cgcgtcccgc      60
gtcctagccn accatggccg ggccccctgcg cgccccgcgtg ctctgctgg ccactctggc      120
cgtggccctg gccgtgagcc ccgcggcccg ctccagtcct ggcaagccgc cgcgcctggt      180
gggaggccca tggacccccg gtggaagaag aaggtgtgcg gcgtgcactg gactttgccc      240
tcggcnanta caacaaaccc gcaacnactt ttaccnagcn cgcgtgcag gttgtgccgc      300
cccaancaaa ttgttactng gggtaantaa ttcttggaag ttgaacctgg gccaaacnng      360
tttaccagaa ccnagccaat tngaacaatt nccccctcat aacagcccct tttaaaaagg      420
gaancantcc tgntcttttc caaatTTT

```

```

<210> 89
<211> 463
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(463)
<223> n = A,T,C or G

```

09651236-082900

```

<400> 89
gaattttgtg cactggccac tgtgatggaa ccattgggcc aggatgcttt gagtttatca    60
gtagtgattc tgccaaagtt ggtggtgtaa catgagtatg taaaatgtca aaaaattagc    120
agaggctctag gtctgcatat cagcagacag tttgtccgtg tattttgtag ccttgaagtt    180
ctcagtgaca agttnnttct gatgcgaagt tctnattcca gtgttttagt cctttgcac    240
tttnatgttn agacttgccct ctntnaaatt gcttttgtnt tctgcaggta ctatctgtgg    300
tttaacaaaa tagaannact tctctgcttn gaanatttga atatcttaca tctnaaaatn    360
aattctctcc ccatannaaa acccangccc ttggganaat ttgaaaaang gntccttcnn    420
aattcnnana anttcagntn tcatacaaca naacngganc ccc                        463

```

```

<210> 90
<211> 400
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(400)
<223> n = A,T,C or G

```

```

<400> 90
agggattgaa ggtctnttnt actgtcggac tgttcancca ccaactctac aagttgctgt    60
cttccactca ctgtctgtaa gcntnttaac ccagactgta tcttcataaa tagaacaat    120
tcttcaccag tcacatcttc taggaccttt ttggattcag ttagtataag ctcttccact    180
tcctttgtta agacttcac tcgttaaagtc ttaagttttg tagaaaggaa ttttaattgct    240
cgttctctaa caatgtcctc tccttgaagt atttggtgga acaaccacc tnaagtcct    300
ttgtgcatcc attttaaata tacttaatat ggcatggtn cactagggta aattctgcaa    360
gagtcactctg tctgcaaaag ttgcgttagt atatctgcca                        400

```

```

<210> 91
<211> 480
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(480)
<223> n = A,T,C or G

```

```

<400> 91
gagctcggat ccaataatct ttgtctgagg gcagcacaca tatncagtgc catggnaact    60
ggtctacccc acatgggagc agcatgccgt agntatataa ggtcattccc tgagtcagac    120
atgcctcttt gactaccgtg tgccagtgtt ggtgattctc acacacctcc nncgctctt    180
tgtggaaaaa ctggcacttg nctggaacta gcaagacatc acttacaat tcacccacga    240
gacacttgaa aggtgtaaca aagcgactct tgcattgctt tttgtccctc cggcaccagt    300
tgtcaatact aaccgcgtgg tttgcctcca tcacatttgt gatctgtagc tctggatata    360
tctcctgaca gtactgaaga acttcttctt ttgtttcaaa agcaactctt ggtgcctgtt    420
ngatcagggt cccatttccc agtcogaatg ttcacatggc atatnttact tcccacaaaa    480

```

```

<210> 92
<211> 477
<212> DNA
<213> Homo sapien

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00651236-036900

<400> 92

<210> 93

<211> 377

<212> DNA

<213> Homo sapien

 $\langle 220 \rangle$

<221> misc feature

 $\langle 222 \rangle \quad (1) \dots (377)$

<223> n = A, T, C or G

<400> 93

<210> 94

<211> 495

<212> DNA

<213> Homo sapien

<220>

<221> misc feature

 $\langle 222 \rangle \quad (1) \dots (495)$

<223> n = A, T, C or G

<400> 94

c c c t t t g a g g	g g t t a g g g t c	c a g t t c c c a g	t g g a a g a a a c	a g g c c a g g a g	a a n t g c g t g c	60
c g a g c t g a n g	c a g a t t t c c c	a c a g t g a c c c	c a g a g c c c t g	g g c t a t a g t c	t c t g a c c c c t	120
c c a a g g a a a g	a c c a c c t t c t	g g g g a c a t g g	g c t g g a g g g c	a g g a c c t a g a	g g c a c c a a g g	180
g a a g g c c c c a	t t c c g g g g c t	g t t c c c c g a g	g a g g a a g g g a	a g g g g c t c t g	t g t g c c c c c c	240
a c g a g g a a n a	g g c c c t g a n t	c c t g g g a t c a	n a c a c c c c t t	c a c g t g t a t c	c c c a c a c a a a	300
t g c a a g c t c a	c c a a g g t c c c	c t c t c a g t c c	c t t c c c t a c a	c c c t g a a c g g	n c a c t g g c c c	360
a c a c c c a c c c	a g a n c a n c c a	c c c g c c a t g g	g g a a t g t n c t	c a a g g a a t c g	c n g g g c a a c g	420
t g g a c t c t n g	t c c c n n a a g g	g g g c a g a a t c	t c c a a t a g a n	g g a n n g a a c c	c t t g c t n a n a	480

aaaaaaaaana aaaaaa

495

<210> 95
<211> 472
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(472)
<223> n = A,T,C or G

<400> 95
ggttacttgg tttcattgcc accacttagt ggatgtcatt tagaaccatt ttgtctgctc 60
cctctggaag ccttgccgag agcggacttt gtaattgttg gagaataact gctgaatttt 120
tagctgtttt gagttgattc gcaccactgc accacaactc aatatgaaaa ctatttnact 180
tatttattat cttgtgaaaa gtatacaatg aaaattttgt tcatactgta tttatcaagt 240
atgatgaaaa gcaatagata tatattcttt tattatgtnn aattatgatt gccattatta 300
atcggcacaaa tgtggagtgt atgttctttt cacagtaata tatgcctttt gtaacttcac 360
ttggttattt tattgtaaat gaattacaaa attcttaatt taagaaaatg gtangttata 420
tttanttcan taatttcttt ccttggtttac gttaattttg aaaagaatgc at 472

<210> 96
<211> 476
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(476)
<223> n = A,T,C or G

<400> 96
ctgaagcatt tcttcaaact tntctacttt tgtcattgat acctgtagta agttgacaat 60
gtggtgaaat ttcaaaaatta tatgtaactt ctactagttt tactttctcc cccaagtctt 120
ttttaactca tgattttttac acacacaatc cagaacttat tatatagcct ctaagtcttt 180
attcttcaca gtagatgatg aaagagtcct ccagtgtctt gngcanaatg ttctagntat 240
agctggatac atacngtggg agttctataa actcatacct cagtgggact naaccacaaat 300
tgtgttagtc tcaattccta ccacactgag ggagcctccc aaatcactat attcttatct 360
gcaggtactc ctccagaaaa acngacaggg caggcttgca tgaaaaagtn acatctgcgt 420
tacaaaagtct atcttcctca nangtctgtn aaggaacaat ttaatcttct agcttt 476

<210> 97
<211> 479
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(479)
<223> n = A,T,C or G

<400> 97
actctttcta atgctgatat gatcttgagt ataagaatgc atatgtcact agaattggata 60

09651236-080900

aaataatgct	gcaaacttaa	tgttcttatg	caaaatggaa	cgctaataa	acacagctta	120
caatcgcaaa	tcaaaactca	caagtgtctca	tctgttgtag	atttagtgta	ataagactta	180
gattgtgctc	cttcggatat	gattgtttct	canatcttgg	gcaatnttcc	ttagtcaa	240
caggctacta	gaattctgtt	attggatatn	tgagagcatg	aaatTTTTaa	naatacactt	300
gtgattatna	aattaatcac	aaatttccact	tatacctgct	atcagcagct	agaaaaacat	360
ntnnttttta	natcaaagta	ttttgtgttt	ggaantgtnn	aaatgaaatc	tgaatgtggg	420
ttcnatctta	ttttttcccn	gacnactant	tnctttttta	gggnctattc	tgancctatc	479

<210> 98
 <211> 461
 <212> DNA
 <213> Homo sapien

<400> 98						
agtgacttgt	cctccaacaa	aacccttga	tcaagtttgt	ggcactgaca	atcagaccta	60
tgttagttcc	tgtcatctat	tcgtactaa	atgcagactg	gaggggacca	aaaaggggca	120
tcaactccag	ctggattatt	ttggagcctg	caaactctatt	cctacttgta	cggactttga	180
agtgattcag	tttctcttac	ggatgagaga	ctggctcaag	aatatcctca	tgagcttcta	240
tgaagccact	ctgaacacgc	tggttatcta	gatgagaaca	gagaaataaa	gtcagaaaat	300
ttacctggag	aaaagagggt	ttggctgggg	accatcccat	tgaaccttct	cttaaggact	360
ttaagaaaaa	ctaccacatg	ttgtgtatcc	tggtgccggc	cgtttatgaa	ctgaccaccc	420
tttgaataaa	tcttgacgct	cctgaacttg	ctcctctgcg	a		461

<210> 99
 <211> 171
 <212> DNA
 <213> Homo sapien

<400> 99						
gtggcgcgcg	gcaggtgttt	cctcgtagcg	cagggccccc	tccttcccc	aggcgctcct	60
cggcgctctc	gcgggcccga	ggaggagcgg	ctggcggttg	gggggagtgt	gaccacccct	120
cggtgagaaa	agccttctct	agcgatctga	gaggcggtgc	ttgggggtac	c	171

<210> 100
 <211> 269
 <212> DNA
 <213> Homo sapien

<400> 100						
cggccgcaag	tgcaactcca	gctggggccg	tgccgacgaa	gattctgcca	gcagttggtc	60
cgactgcgac	gacggcgggc	gcgacagtcg	caggtgcagc	gcgggcgcct	ggggctcttg	120
aaggctgagc	tgacgccgca	gaggtcgtgt	cacgtcccac	gaccttgacg	ccgtcgggga	180
cagccggaac	agagcccggg	gaagcgggag	gcctcgggga	gcccccggg	aaggcgggcc	240
cgagagatac	gcaggtgcag	gtggccggcc				269

<210> 101
 <211> 405
 <212> DNA
 <213> Homo sapien

<400> 101						
tttttttttt	ttttggaatc	tactgcgagc	acagcaggtc	agcaacaagt	ttatttttga	60
gctagcaagg	taacagggta	gggcatgggt	acatgttcag	gtcaacttcc	tttgtcgtgg	120
ttgattgggt	tgtctttatg	ggggcggggt	ggggtagggg	aaacgaagca	aataacatgg	180

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agtgggtgca ccctccctgt agaacctggt tacaaagctt ggggcagttc acctggctctg      240
tgaccgtcat ttctcttgaca tcaatgttat tagaagtcag gatatctttt agagagtcca      300
ctgttctgga gggagattag ggtttcttgc caaatccaac aaaatccact gaaaaagttg      360
gatgatcagt acgaataccg aggcataattc tcatatcggt ggcca                        405

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```

<210> 102
<211> 470
<212> DNA
<213> Homo sapien

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<400> 102
tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt      60
ggcactttaat ccattttttat ttcaaaatgt ctacaaattt aatcccattha tacgggtattt      120
tcaaaatcta aattattcaa attagccaaa tccttaccaa ataataccca aaaatcaaaa      180
atatacttct ttcagcaaac ttgttacata aattaaaaaa atatatacgg ctgggtgtttt      240
caaagtacaa ttatcttaac actgcaaaaca ttttaaggaa ctaaaataaa aaaaaacact      300
ccgcaaagggt taaaggggaac aacaaattct tttacaacac cattataaaa atcatatctc      360
aaatcttagg ggaatatata cttcacacgg gatcttaact tttactcact ttgtttattt      420
ttttaaacca ttgtttgggc ccaacacaat ggaatcccc ctggactagt                        470

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<210> 103
<211> 581
<212> DNA
<213> Homo sapien

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```

<400> 103
tttttttttt tttttttttga cccccctctt ataaaaaaca agttaccatt ttatttttact      60
tacacataatt tattttataa ttggtattag atattcaaaa ggcagctttt aaaatcaaac      120
taaattggaaa ctgccttaga tacataattc ttaggaatta gcttaaaatc tgccataagt      180
gaaaaatcttc tctagctctt ttgactgtaa atttttgact cttgtaaaac atccaaattc      240
atttttcttg tctttaaaat tatctaattc ttccattttt tcctatttcc aagtcaattt      300
gcttctctag cctcatttcc tagctcttat ctactattag taagtggctt ttttcctaaa      360
agggaaaaaca ggaagagaaa tggcacacaa aacaaacatt ttatattcat atttctacct      420
acgttaataa aatagcattt tgtgaagcca gctcaaaaga aggcttagat ccttttatgt      480
ccatttttagt cactaaacga tatcaaagtg ccagaatgca aaagggttgt gaacatttat      540
tcaaaagcta atataagata tttcacatac tcatctttct g                        581

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```

<210> 104
<211> 578
<212> DNA
<213> Homo sapien

```

```

<400> 104
tttttttttt tttttttttt tttttctctt cttttttttt gaaatgagga tcgagttttt      60
cactctctag atagggcatg aagaaaaactc atctttccag ctttaaaata acaatcaaat      120
ctcttatgct atatcatatt ttaagttaaa ctaatgagtc actggcttat cttctctga      180
aggaaatctg ttcattcttc tcattcatat agttatatca agtactacct tgcataattga      240
gagggtttttc ttctctattt acacatatat ttccatgtga atttgatatca aacctttatt      300
ttcatgcaaa ctagaaaata atgtttcttt tgcataagag aagagaacaa tatagcatta      360
caaaactgct caaattgttt gttaagttat ccattataat tagttggcag gagctaatac      420
aaatcacatt tacgacagca ataataaaac tgaagtacca gttaaataatc caaaataatt      480
aaaggaacat ttttagcctg ggtataatta gctaattcac tttacaagca tttattagaa      540
tgaattcaca tgttattatt cctagcccaa cacaatggg                        578

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<210> 105
 <211> 538
 <212> DNA
 <213> Homo sapien

<400> 105
 tttttttttt tttttcagta ataatcagaa caatatttat ttttatattt aaaattcata 60
 gaaaagtgcc ttacatttaa taaaagtttg tttctcaaag tgatcagagg aattagatat 120
 gtcttgaaca ccaatattaa tttgaggaaa atacaccaa atacattaag taaattattt 180
 aagatcatag agcttgtaag tgaaaagata aaatttgacc tcagaaactc tgagcattaa 240
 aaatccacta ttagcaaata aattactatg gacttcttgc ttttaatttg tgatgaatat 300
 ggggtgtcac tggtaaacca acacattctg aaggatacat tacttagtga tagattctta 360
 tgtactttgc taatacgtgg atatgagttg acaagtttct ctttcttcaa tcttttaagg 420
 ggcgagaaat gaggaagaaa agaaaaggat tacgcatact gttctttcta tggaaggatt 480
 agatatgttt cctttgccaa tattaaaaaa ataataatgt ttactactag tgaaaccc 538

<210> 106
 <211> 473
 <212> DNA
 <213> Homo sapien

<400> 106
 tttttttttt ttttttagtc aagtttctat ttttattata attaaagtct tggtcatttc 60
 atttattagc tctgcaactt acatatattaa attaaagaaa cgtttttagac aactgtacaa 120
 tttataaatg taaggtgcc aatttgagta atatatctct ccaagagtgg atgtgtccct 180
 tctcccacca actaatgaac agcaacatta gtttaatttt attagtagat atacactgct 240
 gcaaacgcta attctcttct ccattcccat gtgatattgt gtatatgtgt gagttggtag 300
 aatgcatcac aatctacaat caacagcaag atgaagctag gctgggcttt cgggtgaaaat 360
 agactgtgtc tgtctgaatc aaatgatctg acctatctc ggtggcaaga actcttcgaa 420
 ccgcttcctc aaaggcgctg ccacatttgt ggctctttgc acttgtttca aaa 473

<210> 107
 <211> 1621
 <212> DNA
 <213> Homo sapien

<400> 107
 cgccatggca ctgcagggca tctcgggtcat ggagctgtcc ggccctggccc cgggcccgtt 60
 ctgtgctatg gtcctggctg acttcggggc gctgtgtgta cgcgtggacc ggcccggctc 120
 ccgctacgac gtgagccgct tgggccgggg caagcgctcg ctagtgtctg acctgaagca 180
 gccgcgggga gccgccgtgc tgcggcgtct gtgcaagcgg tcggatgtgc tgctggagcc 240
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<210> 108
<211> 382
<212> PRT
<213> Homo sapien

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Arg Val Asp Arg Pro Gly Ser Arg Tyr Asp Val Ser Arg Leu Gly Arg
35     40     45
Gly Lys Arg Ser Leu Val Leu Asp Leu Lys Gln Pro Arg Gly Ala Ala
50     55     60
Val Leu Arg Arg Leu Cys Lys Arg Ser Asp Val Leu Leu Glu Pro Phe
65     70     75     80
Arg Arg Gly Val Met Glu Lys Leu Gln Leu Gly Pro Glu Ile Leu Gln
85     90     95
Arg Glu Asn Pro Arg Leu Ile Tyr Ala Arg Leu Ser Gly Phe Gly Gln
100    105    110
Ser Gly Ser Phe Cys Arg Leu Ala Gly His Asp Ile Asn Tyr Leu Ala
115    120    125
Leu Ser Gly Val Leu Ser Lys Ile Gly Arg Ser Gly Glu Asn Pro Tyr
130    135    140
Ala Pro Leu Asn Leu Leu Ala Asp Phe Ala Gly Gly Gly Leu Met Cys
145    150    155    160
Ala Leu Gly Ile Ile Met Ala Leu Phe Asp Arg Thr Arg Thr Asp Lys
165    170    175
Gly Gln Val Ile Asp Ala Asn Met Val Glu Gly Thr Ala Tyr Leu Ser
180    185    190
Ser Phe Leu Trp Lys Thr Gln Lys Ser Ser Leu Trp Glu Ala Pro Arg
195    200    205
Gly Gln Asn Met Leu Asp Gly Gly Ala Pro Phe Tyr Thr Thr Tyr Arg
210    215    220
Thr Ala Asp Gly Glu Phe Met Ala Val Gly Ala Ile Glu Pro Gln Phe
225    230    235    240
Tyr Glu Leu Leu Ile Lys Gly Leu Gly Leu Lys Ser Asp Glu Leu Pro
245    250    255
Asn Gln Met Ser Met Asp Asp Trp Pro Glu Met Lys Lys Lys Phe Ala
260    265    270
Asp Val Phe Ala Lys Lys Thr Lys Ala Glu Trp Cys Gln Ile Phe Asp
275    280    285

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00651236-082900

Gly Thr Asp Ala Cys Val Thr Pro Val Leu Thr Phe Glu Glu Val Val
 290 295 300
 His His Asp His Asn Lys Glu Arg Gly Ser Phe Ile Thr Ser Glu Glu
 305 310 315 320
 Gln Asp Val Ser Pro Arg Pro Ala Pro Leu Leu Leu Asn Thr Pro Ala
 325 330 335
 Ile Pro Ser Phe Lys Arg Asp Pro Phe Ile Gly Glu His Thr Glu Glu
 340 345 350
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 355 360 365
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 370 375 380

<210> 109
 <211> 1524
 <212> DNA
 <213> Homo sapien

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<210> 110
 <211> 3410
 <212> DNA
 <213> Homo sapien

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3410

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<211> 1289
<212> DNA
<213> Homo sapien

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<211> 315
<212> PRT
<213> Homo sapien

<400> 112
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Phe Phe Leu Phe Phe Leu Gly Val Trp Leu Val Ala Tyr Gly Val Ala
35 40 45
Thr Glu Gly Leu Leu Arg Pro Arg Asp Ser Asp Phe Pro Ser Ile Leu
50 55 60
Arg Arg Val Phe Tyr Arg Pro Tyr Leu Gln Ile Phe Gly Gln Ile Pro
65 70 75 80
Gln Glu Asp Met Asp Val Ala Leu Met Glu His Ser Asn Cys Ser Ser
85 90 95
Glu Pro Gly Phe Trp Ala His Pro Pro Gly Ala Gln Ala Gly Thr Cys
100 105 110
Val Ser Gln Tyr Ala Asn Trp Leu Val Val Leu Leu Val Ile Phe
115 120 125
Leu Leu Val Ala Asn Ile Leu Leu Val Asn Leu Leu Ile Ala Met Phe

00651236-06600

130 135 140
 Ser Tyr Thr Phe Gly Lys Val Gln Gly Asn Ser Asp Leu Tyr Trp Lys
 145 150 155 160
 Ala Gln Arg Tyr Arg Leu Ile Arg Glu Phe His Ser Arg Pro Ala Leu
 165 170 175
 Ala Pro Pro Phe Ile Val Ile Ser His Leu Arg Leu Leu Leu Arg Gln
 180 185 190
 Leu Cys Arg Arg Pro Arg Ser Pro Gln Pro Ser Ser Pro Ala Leu Glu
 195 200 205
 His Phe Arg Val Tyr Leu Ser Lys Glu Ala Glu Arg Lys Leu Leu Thr
 210 215 220
 Trp Glu Ser Val His Lys Glu Asn Phe Leu Leu Ala Arg Ala Arg Asp
 225 230 235 240
 Lys Arg Glu Ser Asp Ser Glu Arg Leu Lys Arg Thr Ser Gln Lys Val
 245 250 255
 Asp Leu Ala Leu Lys Gln Leu Gly His Ile Arg Glu Tyr Glu Gln Arg
 260 265 270
 Leu Lys Val Leu Glu Arg Glu Val Gln Gln Cys Ser Arg Val Leu Gly
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 Pro Pro Pro Pro Asp Leu Pro Gly Ser Lys Asp
 305 310 315

<210> 113
 <211> 553
 <212> PRT
 <213> Homo sapien

<400> 113
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 Ala Ala Gly Ile Thr Tyr Val Pro Pro Leu Leu Leu Glu Val Gly Val
 35 40 45
 Glu Glu Lys Phe Met Thr Met Val Leu Gly Ile Gly Pro Val Leu Gly
 50 55 60
 Leu Val Cys Val Pro Leu Leu Gly Ser Ala Ser Asp His Trp Arg Gly
 65 70 75 80
 Arg Tyr Gly Arg Arg Pro Phe Ile Trp Ala Leu Ser Leu Gly Ile
 85 90 95
 Leu Leu Ser Leu Phe Leu Ile Pro Arg Ala Gly Trp Leu Ala Gly Leu
 100 105 110
 Leu Cys Pro Asp Pro Arg Pro Leu Glu Leu Ala Leu Leu Ile Leu Gly
 115 120 125
 Val Gly Leu Leu Asp Phe Cys Gly Gln Val Cys Phe Thr Pro Leu Glu
 130 135 140
 Ala Leu Leu Ser Asp Leu Phe Arg Asp Pro Asp His Cys Arg Gln Ala
 145 150 155 160
 Tyr Ser Val Tyr Ala Phe Met Ile Ser Leu Gly Gly Cys Leu Gly Tyr
 165 170 175
 Leu Leu Pro Ala Ile Asp Trp Asp Thr Ser Ala Leu Ala Pro Tyr Leu
 180 185 190

00654236-082900

Gly Thr Gln Glu Glu Cys Leu Phe Gly Leu Leu Thr Leu Ile Phe Leu
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 Thr Cys Val Ala Ala Thr Leu Leu Val Ala Glu Glu Ala Ala Leu Gly
 210 215 220
 Pro Thr Glu Pro Ala Glu Gly Leu Ser Ala Pro Ser Leu Ser Pro His
 225 230 235 240
 Cys Cys Pro Cys Arg Ala Arg Leu Ala Phe Arg Asn Leu Gly Ala Leu
 245 250 255
 Leu Pro Arg Leu His Gln Leu Cys Cys Arg Met Pro Arg Thr Leu Arg
 260 265 270
 Arg Leu Phe Val Ala Glu Leu Cys Ser Trp Met Ala Leu Met Thr Phe
 275 280 285
 Thr Leu Phe Tyr Thr Asp Phe Val Gly Glu Gly Leu Tyr Gln Gly Val
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 Pro Arg Ala Glu Pro Gly Thr Glu Ala Arg Arg His Tyr Asp Glu Gly
 305 310 315 320
 Val Arg Met Gly Ser Leu Gly Leu Phe Leu Gln Cys Ala Ile Ser Leu
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 Val Phe Ser Leu Val Met Asp Arg Leu Val Gln Arg Phe Gly Thr Arg
 340 345 350
 Ala Val Tyr Leu Ala Ser Val Ala Ala Phe Pro Val Ala Ala Gly Ala
 355 360 365
 Thr Cys Leu Ser His Ser Val Ala Val Val Thr Ala Ser Ala Ala Leu
 370 375 380
 Thr Gly Phe Thr Phe Ser Ala Leu Gln Ile Leu Pro Tyr Thr Leu Ala
 385 390 395 400
 Ser Leu Tyr His Arg Glu Lys Gln Val Phe Leu Pro Lys Tyr Arg Gly
 405 410 415
 Asp Thr Gly Gly Ala Ser Ser Glu Asp Ser Leu Met Thr Ser Phe Leu
 420 425 430
 Pro Gly Pro Lys Pro Gly Ala Pro Phe Pro Asn Gly His Val Gly Ala
 435 440 445
 Gly Gly Ser Gly Leu Leu Pro Pro Pro Pro Ala Leu Cys Gly Ala Ser
 450 455 460
 Ala Cys Asp Val Ser Val Arg Val Val Val Gly Glu Pro Thr Glu Ala
 465 470 475 480
 Arg Val Val Pro Gly Arg Gly Ile Cys Leu Asp Leu Ala Ile Leu Asp
 485 490 495
 Ser Ala Phe Leu Leu Ser Gln Val Ala Pro Ser Leu Phe Met Gly Ser
 500 505 510
 Ile Val Gln Leu Ser Gln Ser Val Thr Ala Tyr Met Val Ser Ala Ala
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 Lys Ser Asp Leu Ala Lys Tyr Ser Ala
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<210> 114

<211> 241

<212> PRT

<213> Homo sapien

<400> 114

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006230" 9651236" 032900

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 Ser Ile Asp Gly Ala Ser Phe Leu Lys Ile Phe Gly Pro Leu Ser Ser
 35 40 45
 Ser Ala Met Gln Phe Val Asn Val Gly Tyr Phe Leu Ile Ala Ala Gly
 50 55 60
 Val Val Val Phe Ala Leu Gly Phe Leu Gly Cys Tyr Gly Ala Lys Thr
 65 70 75 80
 Glu Ser Lys Cys Ala Leu Val Thr Phe Phe Ile Leu Leu Leu Ile
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 Phe Ile Ala Glu Val Ala Ala Ala Val Val Ala Leu Val Tyr Thr Thr
 100 105 110
 Met Ala Glu His Phe Leu Thr Leu Leu Val Val Pro Ala Ile Lys Lys
 115 120 125
 Asp Tyr Gly Ser Gln Glu Asp Phe Thr Gln Val Trp Asn Thr Thr Met
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 Lys Gly Leu Lys Cys Cys Gly Phe Thr Asn Tyr Thr Asp Phe Glu Asp
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 Ser Pro Tyr Phe Lys Glu Asn Ser Ala Phe Pro Pro Phe Cys Cys Asn
 165 170 175
 Asp Asn Val Thr Asn Thr Ala Asn Glu Thr Cys Thr Lys Gln Lys Ala
 180 185 190
 His Asp Gln Lys Val Glu Gly Cys Phe Asn Gln Leu Leu Tyr Asp Ile
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 Gln

<210> 115
 <211> 366
 <212> DNA
 <213> Homo sapien

<400> 115
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<210> 116
 <211> 282
 <212> DNA
 <213> Homo sapien

<220>
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006280"9621566

<223> n = A,T,C or G

<400> 116

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agactttact	atnttcatat	tttaagacac	atgatttatc	ctattttagt	aacctgggtc	180
atacggttaa	caaaggataa	tgtgaacagc	agagaggatt	tgttggcaga	aatctatgt	240
tcaatctnga	actatctana	tcacagacat	ttctattcct	tt		282

<210> 117

<211> 305

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(305)

<223> n = A,T,C or G

<400> 117

acacatgtcg	cttactgcc	ttcttagatg	cttctgggtc	acatanagga	acagggacca	60
tatttatcct	ccctcctgaa	acaattgcaa	aataanacaa	aatatatgaa	acaattgcaa	120
aataaggcaa	aatatatgaa	acaacagggtc	tcgagatatt	ggaaatcagt	caatgaagga	180
tactgatccc	tgatcactgt	cctaatgcag	gatgtgggaa	acagatgagg	tcacctctgt	240
gactgcccc	gcttactgcc	tgtagagagt	ttctangctg	cagttcagac	aggagaaat	300
tggt						305

<210> 118

<211> 71

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(71)

<223> n = A,T,C or G

<400> 118

accaaggtgt	ntgaatctct	gacgtgggga	tctctgattc	ccgcacaatc	tgagtggaaa	60
aantcctggg	t					71

<210> 119

<211> 212

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(212)

<223> n = A,T,C or G

<400> 119

actccggttg	gtgtcagcag	cacgtggcat	tgaacatngc	aatgtggagc	ccaaaccaca	60
gaaaatgggg	tgaaattggc	caactttcta	tnaacttatg	ttggcaantt	tgccaccaac	120

agtaagctgg cccttctaataaaaagaaaat tgaaagggtt ctcactaanc ggaattaant 180
aatggantca aganactccc aggcctcagc gt 212

<210> 120
<211> 90
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(90)
<223> n = A,T,C or G

<400> 120
actcggttgca natcaggggc cccccagagt caccggttgca ggagtccttc tggctcttgcc 60
ctccgccggc gcagaacatg ctgggggtggt 90

<210> 121
<211> 218
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(218)
<223> n = A,T,C or G

<400> 121
tgtancgtga anacgacaga naggggtgtc aaaaatggag aanccttgaa gtcattttga 60
gaataagatt tgctaaaaga tttgggggcta aaacatgggtt attgggagac atttctgaag 120
atatncangt aaattangga atgaattcat gggtcttttg ggaattcctt tacgatngcc 180
agcatanact tcatgtgggg atancagcta cccttgta 218

<210> 122
<211> 171
<212> DNA
<213> Homo sapien

<400> 122
taggggtgta tgcaactgta aggacaaaaa ttgagactca actggcttaa ccaataaagg 60
catttgtagt ctcatggaac aggaagtcgg atggtggggc atcttcagtg ctgcatgagt 120
caccaccccg gcgggggtcat ctgtgccaca ggtccctggt gacagtgcgg t 171

<210> 123
<211> 76
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(76)
<223> n = A,T,C or G

<400> 123

00651236-032900

<400> 128							
acctcattag	taattgtttt	gttgttttcat	ttttttctaa	tgtctcccct	ctaccagctc	60	
acctgagata	acagaatgaa	aatggaagga	cagccagatt	tctcctttgc	tctctgctca	120	
ttctctctga	agtctaggtt	accatttttg	gggaccatt	ataggcaata	aacacagttc	180	

ccaaagcatt tggacagttt cttgttgtgt tttagaatgg ttttcctttt tcttagcctt 240
 ttcttgcaaa aggctcactc agtcccttgc ttgctcagtg gactgggctc cccagggcct 300
 aggtgcctt cttttccatg tcc 323

<210> 129
 <211> 192
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (192)
 <223> n = A,T,C or G

<400> 129
 acatacatgt gtgtatatatt ttaaatatca cttttgtatc actctgactt tttagcatatc 60
 tgaaaacaca ctaacataat ttntgtgaac catgatcaga tacaacccaa atcattcatc 120
 tagcacattc atctgtgata naaagatagg tgagtttcat ttccttcacg ttggccaatg 180
 gataaacaaa gt 192

<210> 130
 <211> 362
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (362)
 <223> n = A,T,C or G

<400> 130
 ccctttttta tggaatgagt agactgtatg tttgaanatt tanccacaac ctctttgaca 60
 tataatgacg caacaaaaag gtgctgttta gtcctatggg tcagtttatg cccctgacaa 120
 gtttccattg tgttttgcog atcttctggc taatcgtggg atcctccatg ttattagtaa 180
 ttctgtattc cattttgtta acgcctggta gatgtaacct gctangagge taactttata 240
 cttattttaa agctcttatt ttgtgggtcat taaaatggca atttatgtgc agcactttat 300
 tgcagcagga agcacgtgtg gggttggttg aaagctcttt gctaatttta aaaagtaatg 360
 gg 362

<210> 131
 <211> 332
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (332)
 <223> n = A,T,C or G

<400> 131
 ctttttgaaa gatcgtgtcc actcctgtgg acatcttggt ttaatggagt ttcccatgca 60
 gtangactgg tatggttgca gctgtccaga taaaaacatt tgaagagctc caaaatgaga 120
 gttctcccag gttcgccctg ctgctccaag tctcagcagc agcctctttt aggaggcatc 180
 ttctgaacta gattaaggca gcttgtaaat ctgatgtgat ttggtttatt atccaactaa 240

cttccatctg ttatcactgg agaaagccca gactcccan gacnggtacg gattgtgggc 300
atanaaggat tgggtgaagc tggcgttgtg gt 332

<210> 132
<211> 322
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1) ... (322)
<223> n = A,T,C or G

<400> 132
acttttgcca ttttgtatat ataaacaatc ttgggacatt ctctgaaaa ctaggtgtcc 60
agtggctaag agaactcgat ttcaagcaat tctgaaagga aaaccagcat gacacagaat 120
ctcaaattcc caaacagggg ctctgtggga aaaatgaggg aggaccttg tatctcgggt 180
tttagcaagt taaaatgaan atgacaggaa aggcctatatt atcaacaaag agaagagttg 240
ggatgcttct aaaaaaaact ttggtagaga aaataggaat gctnaatcct agggaagcct 300
gtaacaatct acaattgggc ca 322

<210> 133
<211> 278
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1) ... (278)
<223> n = A,T,C or G

<400> 133
acaagccttc acaagtttaa ctaaattggg attaattctt ctgtanttat ctgcataatt 60
cttggttttc tttccatctg gctcctgggt tgacaatttg tggaaacaac tctattgcta 120
ctatttaaaa aaaatcacaa atctttccct ttaagctatg ttnaattcaa actattcctg 180
ctattcctgt tttgtcaaag aaattatatt tttcaaaata tgtntatttg tttgatgggt 240
cccacgaaac actaataaaa accacagaga ccagcctg 278

<210> 134
<211> 121
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1) ... (121)
<223> n = A,T,C or G

<400> 134
gtttanaaaa ctgttttagc tccatagagg aaagaatggt aaactttgta ttttaaaaca 60
tgattctctg aggttaaaact tggttttcaa atgttatatt tacttgtatt ttgcttttgg 120
t 121

<210> 135

006230 "032590"

<211> 350
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(350)
 <223> n = A,T,C or G

<400> 135
 acttanaacc atgcctagca catcagaatc cctcaaagaa catcagtata atcctataacc 60
 atancaagtg gtgactgggt aagcgtgcga caaaggtcag ctggcacatt acttgtgtgc 120
 aaacttgata cttttgttct aagtaggaac tagtatacag tncctaggan tggtagtcca 180
 ggggtgcccc caactcctgc agccgtcct ctgtgccagn ccctgnaagg aactttcgtc 240
 ccacctcaat caagccctgg gccatgtctac ctgcaattgg ctgaacaaac gtttgctgag 300
 ttcccaagga tgcaagcct ggtgtctaac tcctggggcg tcaactcagt 350

<210> 136
 <211> 399
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(399)
 <223> n = A,T,C or G

<400> 136
 tgtaccgtga agacgacaga agttgcatgg cagggacagg gcagggccga ggccaggggt 60
 gctgtgattg tatccgaata ntccctgtga gaaaagataa tgagatgacg tgagcagcct 120
 gcagacttgt gtctgccttc aanaagccag acaggaaggc cctgcctgcc ttggctctga 180
 cctggcggcc agccagccag ccacaggtgg gcttcttct tttgtggtga caacnccaag 240
 aaaactgcag aggccagggt tcaggtgtga gtgggtangt gaccataaaa caccaggtgc 300
 tcccaggaac ccgggcaaag gccatcccca cctacagcca gcatgcccac tggcgtgatg 360
 ggtgcagang gatgaagcag ccagntgttc tgctgtggt 399

<210> 137
 <211> 165
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(165)
 <223> n = A,T,C or G

<400> 137
 actggtgtgg tngggggtga tgctggtggt anaagttgan gtgacttcan gatggtgtgt 60
 ggaggaagtg tgtgaacgta gggatgtaga ngttttggcc gtgctaaatg agcttcggga 120
 ttggctggtc ccactggtgg tcaactgtcat tgggtggggt cctgt 165

<210> 138
 <211> 338
 <212> DNA

00651236-03300

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(338)

<223> n = A,T,C or G

<400> 138

actcaactgga atgccacatt cacaacagaa tcagaggtct gtgaaaacat taatgggtcc	60
ttaactttctc cagtaagaat cagggacttg aaatggaaac gttaacagcc acatgcccaa	120
tgctggggcag tctcccatgc cttccacagt gaaagggctt gagaaaaatc acatccaatg	180
tcatgtgttt ccagccacac caaaagggtgc ttgggggtgga gggctggggg catananggt	240
cangcctcag gaagcctcaa gttccattca gctttgccac tgtacattcc ccatntttaa	300
aaaaactgat gccttttttt ttttttttg taaaattc	338

<210> 139

<211> 382

<212> DNA

<213> Homo sapien

<400> 139

gggaatcttg gtttttggca tctggtttgc ctatagccga ggccactttg acagaacaaa	60
gaaagggact tcgagtaaga aggtgattta cagccagcct agtgcccgaa gtgaaggaga	120
attcaaacag acctcgatc tcttggtgtg agcctgggtg gtcacccgc tatcatctgc	180
atttgcttta ctcaggtgct accggactct ggcccctgat gtctgtagtt tcacaggatg	240
ccttatttgc cttctacacc ccacagggcc cctacttct tcggatgtgt ttttaataat	300
gtcagctatg tgcccatcc tccttcatgc cctccctccc tttcctacca ctgctgagtg	360
gcctggaact tgtttaaagt gt	382

<210> 140

<211> 200

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(200)

<223> n = A,T,C or G

<400> 140

accaaancct ctttctgttg tgttngattt tactataggg gtttngcttn ttctaaanat	60
acttttcatt taacancctt tgtaagtgt caggctgcac tttgctccat anaattattg	120
ttttcacatt tcaacttgta tgtgtttgtc tcttanagca ttggtgaaat cacatatttt	180
atattcagca taaaggagaa	200

<210> 141

<211> 335

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(335)

<223> n = A,T,C or G

006230-9525960

<400> 141
 actttatttt caaaacactc atatgttgca aaaaacacat agaaaaataa agtttggtgg 60
 ggggtgctgac taaacttcaa gtcacagact tttatgtgac agattggagc aggggtttgtt 120
 atgcatgtag agaaccctaaa ctaattttatt aaacaggata gaaacaggct gtctgggtga 180
 aatggttctg agaaccatcc aattcacctg tcagatgctg atanactagc tcttcagatg 240
 tttttctacc agttcagaga tnggttaatg actantttcca atggggaaaa agcaagatgg 300
 attcacaac caagtaattt taaacaaaga cactt 335

<210> 142
 <211> 459
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (459)
 <223> n = A,T,C or G

<400> 142
 accagggttaa tattgccaca tatatccttt ccaattgagg gctaaacaga cgtgtattta 60
 ggggttggtta aagacaaccc agcttaatat caagagaaat tgtgacctt catggagtat 120
 ctgatggaga aaacactgag ttttgacaaa tcttatttta ttcagatagc agtctgatca 180
 cacatggtcc aacaacactc aaataataaa tcaaataatna tcagatgtta aagattggtc 240
 ttcaaacatc atagccaatg atgccccgct tgccataat ctctccgaca taaaaccaca 300
 tcaacacctc agtggccacc aaaccattca gcacagcttc cttaactgtg agctgtttga 360
 agctaccagt ctgagcacta ttgactatnt ttttcangct ctgaatagct ctagggatct 420
 cagcangggg gggaggaacc agctcaacct tggcggtant 459

<210> 143
 <211> 140
 <212> DNA
 <213> Homo sapien

<400> 143
 acatttcctt ccaccaagtc aggactcctg gcttctgtgg gagttcttat cacctgaggg 60
 aaatccaaac agtctctcct agaaaggaat agtgtcacca accccaccca tctccctgag 120
 accatccgac ttccctgtgt 140

<210> 144
 <211> 164
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (164)
 <223> n = A,T,C or G

<400> 144
 acttcagtaa caacatacaa taacaacatt aagtgtatat tgccatcttt gtcattttct 60
 atctatacca ctctcccttc tgaaaacaan aatcactanc caatcactta tacaattttg 120
 aggcaattaa tccatatttg ttttcaataa ggaaaaaaag atgt 164

<210> 145
 <211> 303
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(303)
 <223> n = A,T,C or G

<400> 145
 acgtagacca tccaactttg tatttgtaat ggcaaacatc cagnagcaat tcctaaacaa 60
 actggaggggt atttataccc aattatccca ttcatthaaca tgccctcctc ctcaggctat 120
 gcaggacagc tatcataagt cggcccaggc atccagatac taccatttgt ataaacttca 180
 gtaggggagt ccatccaagt gacagggtcta atcaaaggag gaaatggaac ataagcccag 240
 tagtaaaatn ttgcttagct gaaacagcca caaaagactt accgcctggtg tgattaccat 300
 caa 303

<210> 146
 <211> 327
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(327)
 <223> n = A,T,C or G

<400> 146
 actgcagctc aattagaagt ggtctctgac tttcatcanc ttctccctgg gctccatgac 60
 actggcctgg agtgactcat tgctctgggtt gggtgagaga gctcctttgc caacaggcct 120
 ccaagtcagg gctgggattt gtttcctttc cacattctag caacaatatg ctggccactt 180
 cctgaacagg gaggggtggga ggagccagca tggacaacagc tgccactttc taaagtagcc 240
 agacttgccc ctgggcctgt cacacctact gatgaccttc tgtgcctgca ggatggaatg 300
 taggggtgag ctgtgtgact ctatggt 327

<210> 147
 <211> 173
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(173)
 <223> n = A,T,C or G

<400> 147
 acattgtttt tttgagataa agcattgana gagctctcct taacgtgaca caatggaagg 60
 actggaacac ataccacat ctttgttctg agggataatt ttctgataaa gtcttgctgt 120
 atattcaagc acatatgtta tatattattc agttccatgt ttatagccta gtt 173

<210> 148
 <211> 477
 <212> DNA

006230" GET 950

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(477)

<223> n = A,T,C or G

<400> 148

acaaccactt	tatctcatcg	aattttttaac	ccaaactcac	tcaactgtgcc	tttctatcct	60
atgggatata	ttatttgatg	ctccatttca	tcacacatat	atgaataata	cactcatact	120
gccctactac	ctgctgcaat	aatcacattc	ccttcctgtc	ctgaccctga	agccattggg	180
gtggtcctag	tggccatcag	tccangcctg	caccttgagc	ccttgagctc	cattgctcac	240
nccancccac	ctcacccgac	ccatcctctt	acacagctac	ctccttgctc	tctaacccca	300
tagattatnt	ccaaattcag	tcaattaagt	tactattaac	actctaccg	acatgtccag	360
caccactggg	aagccttctc	cagccaacac	acacacacac	acacncacac	acacacatat	420
ccaggcacag	gtacctcat	cttcacaatc	acccctttaa	ttaccatgct	atggtgg	477

<210> 149

<211> 207

<212> DNA

<213> Homo sapien

<400> 149

acagttgtat	tataatatca	agaaataaac	ttgcaatgag	agcattttaag	agggagaagac	60
taacgtat	tttagagagcca	aggaaggttt	ctgtggggag	tgggatgtaa	ggtggggcct	120
gatgataaat	aagagtcagc	caggtaagt	ggtggtgtg	tatgggcaca	gtgaagaaca	180
tttcaggcag	agggacacag	agtgaaa				207

<210> 150

<211> 111

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(111)

<223> n = A,T,C or G

<400> 150

accttgat	ttcattgctgct	ctgatggaaa	cccaactatc	taatttagct	aaaacatggg	60
cacttaaatg	tggtcagtgt	ttggacttgt	taactantgg	catctttggg	t	111

<210> 151

<211> 196

<212> DNA

<213> Homo sapien

<400> 151

agcgcggcag	gtcatattga	acattccaga	tacctatcat	tactcgatgc	tgttgataac	60
agcaagatgg	ctttgaactc	agggtcacca	ccagctattg	gaccttacta	tgaaaaccat	120
ggataccaac	cggaaaaccc	ctatcccgc	cagcccactg	tgggtccccc	tgtctacgag	180
gtgcatccgg	ctcagt					196

<210> 152

<211> 132
 <212> DNA
 <213> Homo sapien

<400> 152
 acagcacttt cacatgtaag aagggagaaa ttcctaaatg taggagaaag ataacagaac 60
 cttccctttt tcatctagtg gtggaaacct gatgctttat gttgacagga atagaaccag 120
 gagggagttt gt 132

<210> 153
 <211> 285
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (285)
 <223> n = A,T,C or G

<400> 153
 acaanaccca nganaggcca ctggccgtgg tgtcatggcc tccaaacatg aaagtgtcag 60
 cttctgctct tatgtcctca tctgacaact ctttaccatt tttatcctcg ctcagcagga 120
 gcacatcaat aaagtccaaa gtcttggtgact tggccttggc ttggaggaag tcatcaacac 180
 cctggctagt gaggtgtcgg cgccgctcct ggatgacggc atctgtgaag tcgtgcacca 240
 gtctgcaggc cctgtggaag cgccgtccac acggagtnag gaatt 285

<210> 154
 <211> 333
 <212> DNA
 <213> Homo sapien

<400> 154
 accacagtcc tgttggggcca gggcttcatg accctttctg tgaaaagcca tattatcacc 60
 accccaaatt tttccttaaa tatctttaac tgaaggggtc agcctcttga ctgcaaagac 120
 cctaagccgg ttacacagct aactcccact ggccctgatt tgtgaaattg ctgctgcctg 180
 attggcacag gagtccaagg tggtcagctc cctcctccg tggaacgaga ctctgatttg 240
 agtttcacaa attctcgggc cacctcgtca ttgctcctct gaaataaaat cccggagaatg 300
 gtcaggcctg tctcatccat atggatcttc cgg 333

<210> 155
 <211> 308
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (308)
 <223> n = A,T,C or G

<400> 155
 actggaaata ataaaaccca catcacagtg ttgtgtcaaa gatcatcagg gcatggatgg 60
 gaaagtgtt tgggaactgt aaagtgccta acacatgatc gatgattttt gttataatat 120
 ttgaatcacg gtgcatacaa actctcctgc ctgctcctcc tgggccccag cccagcccc 180
 atcacagctc actgctctgt tcatccaggc ccagcatgta gtggctgatt cttcttggct 240

006280-515960

gcttttagcc tccanaagtt tctctgaagc caaccaaacc tctangtgta aggcattgctg 300
gccctggt 308

<210> 156
<211> 295
<212> DNA
<213> Homo sapien

<400> 156
accttgctcg gtgcttggaa catattagga actcaaaata tgagatgata acagtgccta 60
ttattgatta ctgagagAAC tgtagacat ttagttgaag attttctaca caggaaactga 120
gaataggaga ttatgtttgg cctcatatt ctctcctatc ctccttgctt cattctatgt 180
ctaataatatt ctcaatcaaa taaggtttagc ataatcagga aatcgaccaa ataccaatat 240
aaaaccagat gtctatcctt aagattttca aatagaaaac aaattaacag actat 295

<210> 157
<211> 126
<212> DNA
<213> Homo sapien

<400> 157
acaagtttaa atagtgtctgt cactgtgcat gtgctgaaat gtgaaatcca ccacatttct 60
gaagagcaaaa acaaattctg tcatgtaatc tctatcttgg gtcgtgggta tatctgtccc 120
cttagt 126

<210> 158
<211> 442
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(442)
<223> n = A,T,C or G

<400> 158
accactggt cttggaaaca cccatcctta atacgatgat ttttctgtcg tgtgaaaatg 60
aanccagcag gctgccccta gtcagtcctt ccttcacagag aaaaagagat ttgagaaagt 120
gcctgggtaa ttcaccatta atttcctccc ccaaactctc tgagtcttcc cttaatatTT 180
ctgggtggtt tgaccaaagc aggtcatggt ttgttgagca ttggggatcc cagtgaagta 240
natgtttgta gccttgcata cttagccctt cccacgcaca aacggagtgg cagagtgggtg 300
ccaaccctgt tttcccagtc cacgtagaca gattcacagt gcggaattct ggaagctgga 360
nacagacggg ctctttgcag agccgggact ctgagangga catgagggcc tctgcctctg 420
tgttcattct ctgatgtcct gt 442

<210> 159
<211> 498
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(498)
<223> n = A,T,C or G

09651236 "082900

<400> 159
 acttccaggt aacgttggtt tttccgttga gcctgaactg atgggtgacg ttgtaggttc 60
 tccaacaaga actgaggttg cagagcgggt agggaagagt gctgttccag ttgcacctgg 120
 gctgctgtgg actgttggtt attcctcact acggcccaag gttgtggaac tggcanaaag 180
 gtgtgttggt gganttgagc tccggcggtt gtggttaggt gtgggctctt caacaggggc 240
 tgctgtggtg cccggangtg aangtggtgt gtcacttgag cttggccagc tctggaaagt 300
 antanattct tcctgaaggc cagcgcttgt ggagctggca ngggtcantg ttgtgtgtaa 360
 cgaaccagtg ctgctgtggg tgggtgtana tcctccacaa agcctgaagt tatggtgtcn 420
 tcaggaana atgtggtttc agtgcctctg ggcnctgtg gaaggttgta nattgtcacc 480
 aaggaataa gctgtggt

<210> 160
 <211> 380
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(380)
 <223> n = A,T,C or G

<400> 160
 acctgcatcc agcttccctg ccaaactcac aaggagacat caacctctag acagggaaac 60
 agcttcagga tacttccagg agacagagcc accagcagca aaacaaatat tcccatgcct 120
 ggagcatggc atagaggaag ctganaaatg tggggtctga ggaagccatt tgagtctggc 180
 cactagacat ctcatcagcc acttgtgtga agagatgcc catgaccca gatgcctctc 240
 ccacccttac ctccatctca cacacttgag ctttccactc tgtataattc taacatctcg 300
 gagaaaaatg gcagtttgac cgaacctgtt cacaacggta gaggttgatt tctaacgaaa 360
 cttgtagaat gaagcctgga 380

<210> 161
 <211> 114
 <212> DNA
 <213> Homo sapien

<400> 161
 actccacatc ccctctgagc aggcggttgt cgttcaaggt gtatttggcc ttgcctgtca 60
 cactgtccac tggcccctta tccacttggt gcttaatccc tcgaaagagc atgt 114

<210> 162
 <211> 177
 <212> DNA
 <213> Homo sapien

<400> 162
 actttctgaa tcgaatcaaa tgatacttag tgtagtttta atatcctcat atatatcaaa 60
 gttttactac tctgataatt ttgtaaacca ggtaaccaga acatccagtc atacagcttt 120
 tgggtgatata taacttggca ataaccagc ctggtgatac ataaaactac tcactgt 177

<210> 163
 <211> 137
 <212> DNA
 <213> Homo sapien

09651236-082400

<220>
 <221> misc_feature
 <222> (1)...(137)
 <223> n = A,T,C or G

<400> 163
 catttatataca gacagggcgtg aagacattca cgacaaaaac gcgaaattct atcccgtagac 60
 canagaaggc agctacggct actcctacat cctggcgtgg gtggccttcg cctgcacctt 120
 catcagcggc atgatgt 137

<210> 164
 <211> 469
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(469)
 <223> n = A,T,C or G

<400> 164
 cttatcacaa tgaatgttct cctgggcagc gttgtgatct ttgccacctt cgtgacttta 60
 tgcaatgcat catgctatct cctacctaata gagggagttc caggagattc aaccaggaaa 120
 tgcattggatc tcaaaggaaa caaacaccca ataaactcgg agtggcagac tgacaactgt 180
 gagacatgca cttgctacga aacagaaatt tcatgttgca cccttgtttc tacacctgtg 240
 ggttatgaca aagacaactg ccaaagaatc ttcaagaagg aggactgcaa gtatatcgtg 300
 gtggagaaga aggacccaaa aaagacctgt tctgtcagtg aatggataat ctaatgtgct 360
 tctagtaggc acagggctcc caggccaggc ctcattctcc tctggcctct aatagtcaat 420
 gattgtgtag ccatgcctat cagtaaaaag atntttgagc aaacacttt 469

<210> 165
 <211> 195
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(195)
 <223> n = A,T,C or G

<400> 165
 acagttttttt atanatatcg acattgccgg cacttgtggt cagtttcata aagctgggtgg 60
 atccgctgtc atccactatt ccttggctag agtaaaaatt attccttatag cccatgtccc 120
 tgcaggccgc ccgcccgtag ttctcgttcc agtcgtcttg gcacacaggg tgccaggact 180
 tcctctgaga tgagt 195

<210> 166
 <211> 383
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature

006280-51215960

<222> (1)...(383)

<223> n = A,T,C or G

<400> 166

acatccttagt	agtgtggcac	atcagggggc	catcaggggc	acagtcactc	atagcctcgc	60
cgaggtcgga	gtccacacca	ccggtgtagg	tgtgtctaat	cttgggcttg	gcgcccacct	120
ttggagaagg	gatatgctgc	acacacatgt	ccacaaagcc	tgtgaactcg	ccaaagaatt	180
tttgacagacc	agcctgagca	aggggcggat	gttcagcttc	agctcctcct	tcgtcaggtg	240
gatgccaacc	tcgtctangg	tccgtgggaa	gctgggtgtc	acntcaccta	caacctgggc	300
gangatctta	taaagaggct	ccnagataaa	ctccacgaaa	cttctctggg	agctgctagt	360
nggggccttt	ttggtgaact	ttc				383

<210> 167

<211> 247

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(247)

<223> n = A,T,C or G

<400> 167

acagagccag	accttggcca	taaatgaanc	agagattaag	actaaacccc	aagtcganat	60
tggagcagaa	actggagcaa	gaagtggggc	tggggctgaa	gtagagacca	aggccactgc	120
tatanccata	cacagagcca	actctcaggc	caaggcnatg	gttggggcag	anccagagac	180
tcaatctgan	tccaaagtgg	tggtctggaac	actgggtcatg	acanaggcag	tgactctgac	240
tgangtc						247

<210> 168

<211> 273

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(273)

<223> n = A,T,C or G

<400> 168

acttctaagt	tttctagaag	tggaaggatt	gtantcatcc	tgaaaatggg	tttacttcaa	60
aatccctcan	ccttgttctt	cacnactgtc	tatactgana	gtgtcatgtt	tccacaaagg	120
gctgacacct	gagcctgnat	tttcaactcat	ccctgagaag	ccctttccag	taggggtggc	180
aattcccaac	ttccttgcca	caagcttccc	aggctttctc	ccctggaaaa	ctccagcttg	240
agtcccatgat	acactcatgg	gctgccttgg	gca			273

<210> 169

<211> 431

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(431)

006390 "082900

<223> n = A,T,C or G

<400> 169

acagccttgg	cttccccaaa	ctccacagtc	tcagtgcaga	aagatcatct	tccagcagtc	60
agctcagacc	aggggtcaaag	gatgtgacat	caacagtttc	tggtttcaga	acaggttcta	120
ctactgtcaa	atgaccccc	atacttcctc	aaaggctgtg	gtaagttttg	cacagggtgag	180
ggcagcagaa	aggggggtant	tactgatgga	caccatcttc	tctgtatact	ccacactgac	240
cttgccatgg	gcaaaggccc	ctaccacaaa	aacaatagga	tcactgctgg	gcaccagctc	300
acgcacatca	ctgacaaccg	ggatggaaaa	agaantgcc	actttcatac	atccaactgg	360
aaagtgatct	gatactggat	tcttaattac	cttcaaaagc	ttctgggggc	catcagctgc	420
tcgaacactg	a					431

<210> 170

<211> 266

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(266)

<223> n = A,T,C or G

<400> 170

acctgtgggc	tgggctgtta	tgccctgtgcc	ggctgctgaa	agggagttca	gaggtggagc	60
tcaaggagct	ctgcaggcat	tttgccaanc	ctctccanag	canagggagc	aacctacact	120
ccccgctaga	aagacaccag	attggagctc	tgggaggggg	agttgggggtg	ggcatttgat	180
gtatacttgt	cacctgaatg	aangagccag	agaggaanga	gacgaanatg	anattggcct	240
tcaaagctag	gggtctggca	ggtgga				266

<210> 171

<211> 1248

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(1248)

<223> n = A,T,C or G

<400> 171

ggcagccaaa	tcataaacgg	cgaggactgc	agcccgcact	cgcagccctg	gcaggcggca	60
ctggatcatg	aaaacgaatt	gttctgctcg	ggcgtcctgg	tgcattccgca	gtgggtgctg	120
tcagccgcac	actgtttcca	gaagtgagtg	cagagctcct	acaccatcgg	gctgggcctg	180
cacagtcttg	aggccgacca	agagccaggg	agccagatgg	tggaggccag	cctctccgta	240
cggcaccag	agtacaacag	acccttgctc	gctaaccgacc	tcatgctcat	caagttggac	300
gaatccgtgt	ccgagtctga	caccatccgg	agcatcagca	ttgcttcgca	gtgcctacc	360
gcggggaaact	cttgccctcg	ttctggctgg	ggtctgctgg	cgaacggcag	aatgcctacc	420
gtgctgcagt	gcgtgaacgt	gtcggtggtg	tctgaggagg	tctgcagtaa	gctctatgac	480
ccgctgtacc	accccagcat	gttctgcgcc	ggcggagggg	aagaccagaa	ggactcctgc	540
aacggtgact	ctggggggcc	cctgatctgc	aacgggtact	tgcagggcct	tgtgtctttc	600
ggaaaagccc	cgtgtggcca	agttggcgtg	ccagggtgtct	acaccaacct	ctgcaaattc	660
actgagtggg	tagagaaaac	cgtccaggcc	agtttaactct	ggggactggg	aacccatgaa	720
attgaccccc	aaatacatcc	tgcggaagga	attcaggaat	atctgttccc	agccccctct	780
ccctcaggcc	caggagtcca	ggcccccagc	ccctcctccc	tcaaaccaag	ggtacagatc	840

00651236.0325900

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ccagagccct cctccctcag acccaggagt ccagaccccc cagcccccctcc tccctcagac 900
ccaggagtcc agcccccctc cctcagacc caggagtcca gacccccccag cccctcctcc 960
ctcagaccca ggggtccagg cccccaaccc ctcctccctc agactcagag gtccaagccc 1020
ccaaccntc attccccaga ccagagggtc cagggtcccag cccctcntcc ctcagaccca 1080
gcggtccaat gccacctaga ctntccctgt acacagtgcc ccttgtggc acgttgaccc 1140
aaccttacca gttggttttt catttttngt ccctttcccc tagatccaga aataaagttt 1200
aagagaagng caaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaa 1248

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<210> 172
<211> 159
<212> PRT
<213> Homo sapien

```

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<220>
<221> VARIANT
<222> (1)...(159)
<223> Xaa = Any Amino Acid

```

```

<400> 172
Met Val Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Pro
1          5          10          15
Leu Leu Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser
20         25         30
Glu Ser Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr
35         40         45
Ala Gly Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Gly
50         55         60
Arg Met Pro Thr Val Leu Gln Cys Val Asn Val Ser Val Val Ser Glu
65         70         75         80
Glu Val Cys Ser Lys Leu Tyr Asp Pro Leu Tyr His Pro Ser Met Phe
85         90         95
Cys Ala Gly Gly Gly Gln Xaa Gln Xaa Asp Ser Cys Asn Gly Asp Ser
100        105        110
Gly Gly Pro Leu Ile Cys Asn Gly Tyr Leu Gln Gly Leu Val Ser Phe
115        120        125
Gly Lys Ala Pro Cys Gly Gln Val Gly Val Pro Gly Val Tyr Thr Asn
130        135        140
Leu Cys Lys Phe Thr Glu Trp Ile Glu Lys Thr Val Gln Ala Ser
145        150        155

```

```

<210> 173
<211> 1265
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(1265)
<223> n = A,T,C or G

```

```

<400> 173
ggcagcccg actcgagcc ctggcaggcg gcactgggtca tggaaaacga attgttctgc 60
tcgggcgtcc tgggtcatcc gcagtgggtg ctgtcagccg cacactgttt ccagaactcc 120
tacaccatcg ggctgggcct gcacagtctt gaggccgacc aagagccagg gagccagatg 180

```

00651336.032900

gaagtgagtt gagatcacac cactatactc cagctggggc aacagagtaa gactctgtct 1440
caaaaaaaaaa aaaaaaaaaa 1459

<210> 175
<211> 1167
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(1167)
<223> n = A,T,C or G

<400> 175
gcgcagccct ggcaggcggc actgggtcatg gaaaacgaat tggtctgctc gggcgctcctg 60
gtgcatccgc agtgggtgct gtcagccgca cactgtttcc agaactccta caccatcggg 120
ctgggcctgc acagtcttga ggccgaccaa gagccaggga gccagatggt ggaggccagc 180
ctctccgtac ggcacccaga gtacaacaga ctcttgctcg ctaacgacct catgctcatc 240
aagttggacg aatccgtgtc cgagtctgac accatccgga gcatcagcat tgcttcgcag 300
tgccctaccg cggggaactc ttgcctcgtn tctggctggg gtctgctggc gaacggcaga 360
atgcctaccg tgetgactg cgtgaacgtg tcggtggtgt ctgaggangt ctgcagtaag 420
ctctatgacc cgctgtacca cccagcatg ttctgcgccg gcggagggca agaccagaag 480
gactcctgca acggtgactc tggggggccc ctgatctgca acgggtactt gcagggcctt 540
gtgtctttcg gaaaagcccc gtgtggccaa cttggcgtgc cagggtgtcta caccaacctc 600
tgcaaattca ctgagtggat agagaaaacc gtccagncca gttactctg gggactggga 660
acccatgaaa ttgaccccca aatacatcct gcggaangaa ttcaggaata tctgttccca 720
gccccctctc cctcaggccc aggagtccag gccccagcc cctcctccct caaaccaagg 780
gtacagatcc ccagccctc ctccctcaga cccaggagtc cagacccccc agccctcnt 840
ccntcagacc caggagtcca gccccctc cntcagacgc aggagtccag acccccagc 900
ccntcntcgg tcagaccagc ggggtcaggc ccccaacccc tcntcntca gagtccagg 960
tccaagcccc caacccctcg tccccagac ccagaggtnc aggtcccagc cctcctccc 1020
tcagaccagc cgggtccaatg ccacctagan tntccctgta cacagtgcc ccttggtggca 1080
ngttgaccca acctaccag ttgggttttc attttttgtc cctttccctt agatccagaa 1140
ataaagtnta agagaagcgc aaaaaaa 1167

<210> 176
<211> 205
<212> PRT
<213> Homo sapien

<220>
<221> VARIANT
<222> (1)...(205)
<223> Xaa = Any Amino Acid

<400> 176
Met Glu Asn Glu Leu Phe Cys Ser Gly Val Leu Val His Pro Gln Trp
1 5 10 15
Val Leu Ser Ala Ala His Cys Phe Gln Asn Ser Tyr Thr Ile Gly Leu
20 25 30
Gly Leu His Ser Leu Glu Ala Asp Gln Glu Pro Gly Ser Gln Met Val
35 40 45
Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Leu Leu Leu
50 55 60

09651236-062900

Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser Glu Ser
65 70 75 80
Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala Gly
85 90 95
Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Gly Arg Met
100 105 110
Pro Thr Val Leu His Cys Val Asn Val Ser Val Val Ser Glu Xaa Val
115 120 125
Cys Ser Lys Leu Tyr Asp Pro Leu Tyr His Pro Ser Met Phe Cys Ala
130 135 140
Gly Gly Gly Gln Asp Gln Lys Asp Ser Cys Asn Gly Asp Ser Gly Gly
145 150 155 160
Pro Leu Ile Cys Asn Gly Tyr Leu Gln Gly Leu Val Ser Phe Gly Lys
165 170 175
Ala Pro Cys Gly Gln Leu Gly Val Pro Gly Val Tyr Thr Asn Leu Cys
180 185 190
Lys Phe Thr Glu Trp Ile Glu Lys Thr Val Gln Xaa Ser
195 200 205

<210> 177
<211> 1119
<212> DNA
<213> Homo sapien

<400> 177
gcgcaactcgc agccctggca ggcggcactg gtcattggaaa acgaattggt ctgctcgggc 60
gtcctgtgtgc atccgcagtg ggtgctgtca gccgcacact gtttccagaa ctctacacc 120
atcgggcttg gcctgcacag tcttgaggcc gaccaagagc cagggagcca gatggtggag 180
gccagcctct ccgtacggca cccagagtac aacagaccct tgctcgctaa cgacctcatg 240
ctcatcaagt tggacgaatc cgtgtccgag tctgacacca tccggagcat cagcattgct 300
tcgcagtgcc ctaccgcggg gaactcttgc ctcgtttctg gctggggtct gctggcgaac 360
gatgctgtga ttgccatcca gtcccagact gtgggaggct gggagtgtga gaagctttcc 420
caaccctggc aggggtgtac catttcggca acttccagtg caaggacgtc ctgctgcac 480
ctcactgggt gctcactact gctcactgca tcaccgggaa cactgtgatc aactagccag 540
caccatagtt ctccgaagtc agactatcat gattactgtg ttgactgtgc tgtctattgt 600
actaaccatg ccgatgttta ggtgaaatta gcgtcacttg gcctcaacca tcttggtatc 660
cagttatcct cactgaattg agatttcctg cttcagtgtc agccattccc acataatttc 720
tgacctacag aggtgaggga tcatatagct cttcaaggat gctggtagtc ccctcacaaa 780
ttcattttctc ctgtttagt gaaagggtgc ccctctggag cctcccaggg tgggtgtgca 840
ggtcacaatg atgaatgtat gatcgtgttc ccattaccca aagccttta atccctcatg 900
ctcagtacac cagggcaggt ctagcatttc ttcatttagt gtatgctgtc cattcatgca 960
accacctcag gactcctgga ttctctgcct agttgagctc ctgcatgctg cctccttggg 1020
gaggtgaggg agagggccca tggttcaatg ggatctgtgc agttgtaaca cattaggtgc 1080
ttaataaaca gaagctgtga tgttaaaaaa aaaaaaaaaa 1119

<210> 178
<211> 164
<212> PRT
<213> Homo sapien

<220>
<221> VARIANT
<222> (1)...(164)
<223> Xaa = Any Amino Acid

006330 " GEF2F5960

<400> 178
 Met Glu Asn Glu Leu Phe Cys Ser Gly Val Leu Val His Pro Gln Trp
 1 5 10 15
 Val Leu Ser Ala Ala His Cys Phe Gln Asn Ser Tyr Thr Ile Gly Leu
 20 25 30
 Gly Leu His Ser Leu Glu Ala Asp Gln Glu Pro Gly Ser Gln Met Val
 35 40 45
 Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Pro Leu Leu
 50 55 60
 Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser Glu Ser
 65 70 75 80
 Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala Gly
 85 90 95
 Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Asp Ala Val
 100 105 110
 Ile Ala Ile Gln Ser Xaa Thr Val Gly Gly Trp Glu Cys Glu Lys Leu
 115 120 125
 Ser Gln Pro Trp Gln Gly Cys Thr Ile Ser Ala Thr Ser Ser Ala Arg
 130 135 140
 Thr Ser Cys Cys Ile Leu Thr Gly Cys Ser Leu Leu Leu Thr Ala Ser
 145 150 155 160
 Pro Gly Thr Leu

<210> 179
 <211> 250
 <212> DNA
 <213> Homo sapien

<400> 179
 ctggagtgcc ttggtgtttc aagccctgc aggaagcaga atgcaccttc tgaggcacct 60
 ccagctgcc cggccgggg gatgcgaggc tgggagcacc cttgcccggc tgtgattgct 120
 gccaggcact gttcatctca gttttctgt ccctttgctc ccggcaagcg cttctgctga 180
 aagttcatat ctggagcctg atgtcttaac gaataaaggc cccatgctcc acccgaaaaa 240
 aaaaaaaaaa 250

<210> 180
 <211> 202
 <212> DNA
 <213> Homo sapien

<400> 180
 actagtccag tgtggtggaa ttccattgtg ttgggcccaa cacaatggct acctttaaca 60
 tcaccagac ccgcccctg ccgctgcccc acgctgctgc taacgacagt atgatgetta 120
 ctctgctact cggaactat ttttatgtaa ttaatgtatg ctttcttgtt tataaatgcc 180
 tgatttaaaa aaaaaaaaaa aa 202

<210> 181
 <211> 558
 <212> DNA
 <213> Homo sapien

<220>

<221> misc_feature
 <222> (1)...(558)
 <223> n = A,T,C or G

<400> 181
 tccytthgkt naggtttkkg agacamccck agacctwaan ctgtgtcaca gacttcyngg 60
 aatgttttagg cagtgtcagt aattttcytcg taatgattct gttattactt tccnattct 120
 ttattcctct ttcttctgaa gattaatgaa gttgaaaatt gaggtggata aatacaaaaa 180
 ggtagtgtga tagtataagt atctaagtc agatgaaagt gtgttatata tatccattca 240
 aaattatgca agttagtaat tactcagggg taactaaatt actttaatat gctgttgaa 300
 ctactctgtt ccttggctag aaaaaattat aaacaggact ttgttagttt ggggaagccaa 360
 attgataata ttctatgttc taaaagttgg gctatacata aattattaag aaatatggaw 420
 ttttattccc aggaatatgg kgttcatttt atgaatatta cscrggatag awgtwtgagt 480
 aaaaycagtt ttggtwaata ygtwaatatg tcmtaaataa acaakgcttt gacttatttc 540
 caaaaaaaaa aaaaaaaaa 558

<210> 182
 <211> 479
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(479)
 <223> n = A,T,C or G

<400> 182
 acagggwttk grggatgcta agsccccrga rwtygtttga tccaaccctg gcttwttttc 60
 agaggggaaa atggggccta gaagttacag mscatytagy tgggtgcgmg gcacccctgg 120
 cstcacacag astcccgagt agctgggact acaggcacac agtcaactgaa gcaggccctg 180
 ttwgcaattc acgttgccac ctccaactta aacattcttc atatgtgatg tccttagtca 240
 ctaaggttaa actttccac ccagaaaagg caacttagat aaaatcttag agtactttca 300
 tactmttcta agtctcttc cagcctcact kkgagtcctm cytggggggt gataggaant 360
 ntctctggc tttctcaata aartctctat ycatctcatg ttttaatttg tacgcata 420
 awtgstgata aaattaaaat gttctgggty macttttaaaa aaaaaaaaaa aaaaaaaaaa 479

<210> 183
 <211> 384
 <212> DNA
 <213> Homo sapien

<400> 183
 aggcgggagc agaagctaaa gccaaagccc aagaagagtg gcagtgccag cactgggtgcc 60
 agtaccagta ccaataacag tgccagtgcc agtgccagca ccagtgggtg ctccagtgt 120
 ggtgccagcc tgaccgccac tctcacattt gggctcttcg ctggccttggt tggagctggt 180
 gccagcacca gtggcagctc tgggtgctgt ggtttctct acaagtgaga ttttagatat 240
 tgtaaatcct gccagtcttt ctcttcaagc cagggtgcat cctcagaaac ctactcaaca 300
 cagcactcta ggcagccact atcaatcaat tgaagttgac actctgcatt aratctattt 360
 gccatttcaa aaaaaaaaaa aaaa 384

<210> 184
 <211> 496
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(496)
 <223> n = A,T,C or G

<400> 184
 accgaattgg gaccgctggc ttataagcga tcatgtyynt ccrgtatcac ctcaacgagc 60
 agggagatcg agtctatacg ctgaagaaat ttgacccgat gggacaacag acctgctcag 120
 cccatcctgc tcggttctcc ccagatgaca aatactctsg acaccgaatc accatcaaga 180
 aacgcttcaa ggtgctcatg acccagcaac cgcgcctgt cctctgaggg tcccttaaac 240
 tgatgtcttt tctgccacct gttaccctc ggagactccg taaccaaact cttcggactg 300
 tgagccctga tgcctttttg ccagccatac tctttggcat ccagtctctc gtggcgattg 360
 attatgcttg tgtgaggcaa tcatggtggc atcaccata aagggaacac atttgacttt 420
 tttttctcat attttaaatt actacmagaw tattwmagaw waaatgawtt gaaaaactst 480
 taaaaaaaaa aaaaaa 496

<210> 185
 <211> 384
 <212> DNA
 <213> Homo sapien

<400> 185
 gctggtagcc tatggcgkkg cccacggagg ggctcctgag gccacggrac agtgacttcc 60
 caagtatcyt gcgcsgcgtc ttctaccgtc cctacctgca gatcttcggg cagattcccc 120
 aggaggacat ggacgtggcc ctcatggagc acagcaactg ytcgtcggag cccggcttct 180
 gggcacaccc tcttggggcc caggcgggca cctgcgtctc ccagtatgcc aactggctgg 240
 tgggtgctgt cctcgctcat ttctgctcgt tggccaacat cctgctgggt aacttgctca 300
 ttgccatggt cagttacaca ttcgggcaaag tacaggggcaa cagcgatctc tactgggaag 360
 gcgcagcgtt accgcctcat ccgg 384

<210> 186
 <211> 577
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(577)
 <223> n = A,T,C or G

<400> 186
 gagttagctc ctccacaacc ttgatgaggt cgtctgcagt ggctctctgc ttcataccgc 60
 tnccatcgct atactgtagg tttgccacca cytcctggca tcttggggcg gentaatatt 120
 ccaggaaact ctcaatcaag tcaccgtcga tgaaacctgt gggctgggtc tgtcttcgcg 180
 tcggtgtgaa aggatctccc agaaggagtg ctcgatcttc cccacacttt tgatgacttt 240
 attgagtcga ttctgcatgt ccagcaggag gttgtaccag ctctctgaca gtgaggtcac 300
 cagccctatc atgcggttga mcgtgccgaa garcaccgag ccttggtgtgg gggkkgaagt 360
 ctcaccacaga ttctgcatta ccagagagcc gtggcaaaaag acattgacaa actcgcgccag 420
 gtggaaaaaag amcamctcct ggargtgctn gccgctcctc gtcmgttggg ggcagcgtw 480
 tccttttgac acacaaacaa gttaaaggca ttttcagccc ccagaaantt gtcacatcc 540
 aagatntcgc acagcactna tccagttggg attaaat 577

<210> 187

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```

<400> 189
tttttttttt tttgcgatn ctactatattt attgcaggan gtgggggtgt atgcaccgca      60
caccgggggt atnagaagca agaaggaagg agggagggca cagccccttg ctgagcaaca      120
aagccgcctg ctgccttctc tgtctgtctc ctggtgcagg cacatgggga gaccttcccc      180
aaggcagggg ccaccagtcc aggggtggga atacaggggg tgggangtgt gcataagaag      240
tgataggcac aggccacccg gtacagaccc ctcggtcctt gacaggtnga ttctgaccag      300
gtcattgtgc cctgcccagg cacagcgtan atctggaaaa gacagaatgc ttctcttttc      360
aaatttggtc ngtcatngaa ngggcanttt tccaanttng gctnggtctt ggtacncttg      420
gttcggcccc gctccnctgc caaaaantat tcaccnctt ccnaattgct tgcnggnccc      480
cc

```

```

<210> 190
<211> 471
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(471)
<223> n = A,T,C or G

```

```

<400> 190
tttttttttt ttttaaaaca gtttttcaca acaaaattta ttagaagaat agtgggttttg      60
aaaactctcg catccagtga gaactacat acaccacatt acagctngga atgtnctcca      120
aatgtctggt caaatgatac aatggaacca ttcaatctta cacatgcacg aaagaacaag      180
cgcttttgac atacaatgca caaaaaaaaa agggggggggg gaccacatgg attaaaattt      240
taagtactca tcacatacat taagacacag ttctagtcca gtcnaaaatc agaactgcnt      300
tgaaaaaatt catgtatgca atccaaccaa agaacttnat tggatgatcat gantnctcta      360
ctacatcnac cttgatcatt gccaggaaacn aaaagttnaa ancacncngt acaaaaaanaa      420
tctgtaattn anttcaacct ccgtacngaa aaatnttntt tatacactcc c              471

```

```

<210> 191
<211> 402
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(402)
<223> n = A,T,C or G

```

```

<400> 191
gagggattga aggtctgttc tastgtcggm ctgttcagcc accaactcta acaagttgct      60
gtcttccact cactgtctgt aagcttttta acccagacwg tatcttcata aatagaacaa      120
attcttcacc agtcacatct tctaggacct ttttggtatc agttagtata agctcttcca      180
cttcctttgt taagacttca tctggtaaag tcttaagttt tgtagaaagg aattyaattg      240
ctcgttctct aacaatgtcc tctccttgaa gtatttggtc gaacaacca cctaaagtcc      300
ctttgtgcat ccattttaaa tatacttaat agggcattgk tncactaggt taaattctgc      360
aagagtcac tgtctgcaaa agttgcgtta gtatatctgc ca              402

```

```

<210> 192
<211> 601
<212> DNA

```

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(601)

<223> n = A,T,C or G

<400> 192

gagctcggat	ccaataatct	ttgtctgagg	gcagcacaca	tatncagtgc	catggnaact	60
ggtctacccc	acatgggagc	agcatgccgt	agntatataa	ggtcattccc	tgagtcagac	120
atgcytyttt	gaytaccgtg	tgccaagtgc	tggtgattct	yaacacacyt	ccatcccgt	180
cttttgtgga	aaaactggca	cttktctgga	actagcarga	catcacttac	aaattcacc	240
acgagacact	tgaaagggtg	aacaaagcga	ytcttgcat	gctttttgtc	cctccggcac	300
cagttgtcaa	tactaaccgc	ctggtttgcc	tccatcacat	ttgtgatctg	tagctctgga	360
tacatctcct	gacagtactg	aagaacttct	tcttttgttt	caaaagcacc	tcttgggtgcc	420
tggtggatca	ggttcccatt	tcccagtcyg	aatgttcaca	tgccatattt	wacttcccac	480
aaaacattgc	gatttgaggc	tcagcaacag	caaatcctgt	tccggcattg	gctgcaagag	540
cctcgatgta	gccggccagc	gccaaaggcag	gcgcgcgtgag	ccccaccagc	agcagaagca	600
g						601

<210> 193

<211> 608

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(608)

<223> n = A,T,C or G

<400> 193

atacagccca	natcccacca	cgaagatgcg	cttgttgact	gagaacctga	tgccggtcact	60
gggtcccgctg	tagccccagc	gactctccac	ctgctggaag	cggttgatgc	tgcaactcytt	120
cccaacgcag	gcagmagcgg	gscgggtcaa	tgaactccay	tcgtggcttg	gggtkgacgg	180
tkaagtgcag	gaagaggctg	accacctcgc	ggtccaccag	gatgcccagc	tgtgcgggac	240
ctgcagcgaa	actcctcgat	ggatcatgagc	gggaagcgaa	tgaggcccag	ggccttgccc	300
agaaccttcc	gcctgttctc	tggcgtcacc	tgcaactgct	gccgctgaca	ctcggcctcg	360
gaccagcgga	caaacggcrt	tgaacagccg	cacctcacgg	atgcccagtg	tgtcgcgctc	420
caggammgsc	accagcgtgt	ccagggtcaat	gtcgggtgaag	ccctccgcgg	gtrattggcgt	480
ctgcagtgtt	tttgtcgatg	ttctccaggc	acaggctggc	cagctgcggg	tcacgaaga	540
gtcgcgcctg	cgtgagcagc	atgaaggcgt	tgtcggctcg	cagttcttct	tcagggaactc	600
cacgcaat						608

<210> 194

<211> 392

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(392)

<223> n = A,T,C or G

<400> 194

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```

gaacggctgg accttgccctc gcatttgtgt tgttggcagg gaataccttg gcaagcagyt      60
ccagtcgag cagccccaga ccgctgccgc ccgaagctaa gcctgcctct ggccttcccc      120
tccgcctcaa tgcagaacca gtagtgggag cactgtgttt agagttaaga gtgaacactg      180
tttgatttta cttgggaatt tcctctgtta tatagctttt cccaatgcta atttccaaac      240
aacaacaaca aaataacatg tttgcctgtt aagttgtata aaagtaggtg attctgtatt      300
taaagaaaat attactgtta catatactgc ttgcaatttc tgtattttatt gktnctstgg      360
aaataaatat agttattaaa gggtgtcant cc                                     392

```

```

<210> 195
<211> 502
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (502)
<223> n = A,T,C or G

```

```

<400> 195
ccsttkgagg ggkagggkyc cagttyccga gtggaagaaa caggccagga gaagtgcgtg      60
ccgagctgag gcagatgttc ccacagtgc cccagagacc stgggstata gtytctgacc      120
cctcncaagg aaagaccacs ttctggggac atgggctgga gggcaggacc tagaggcacc      180
aagggaaagg cccattccgg ggstgttccc cgaggaggaa ggggaaggggc tctgtgtgcc      240
ccccasgagg aagaggccct gagtcctggg atcagacacc ccttcacgtg tatccccaca      300
caaatgcaag ctcaccaagg tccccctcga gtcccccttc stacaccctg amcggccact      360
gscscacacc caccagagc acgccaccgc ccatggggar tgtgtcaag gartcgcnng      420
gcarcgtgga catctngtcc cagaaggggg cagaatctcc aatagangga ctgarcmstt      480
gctnanaaaa aaaaaaaaaa aa                                     502

```

```

<210> 196
<211> 665
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (665)
<223> n = A,T,C or G

```

```

<400> 196
ggttacttgg tttcattgcc accacttagt ggatgtcatt tagaaccatt ttgtctgctc      60
cctctggaag ccttgccgag agcggacttt gtaattgttg gagaataact gctgaatttt      120
wagctgtttk gagttgatts gcaccactgc acccacaact tcaatatgaa aacyawttga      180
actwatthtat tatcttgtga aaagtataac aatgaaaatt ttgttcatac tgtattkatc      240
aagtatgatg aaaagcaawa gatatatatt cttttattat gttaaattat gattgccatt      300
attaatcggc aaaatgtgga gtgtatgttc ttttcacagt aatatatgcc ttttgtaact      360
tcacttgggt attttattgt aaatgartta caaaattctt aatttaagar aatgggtatgt      420
watattttatt tcattaattt ctttcctkgt ttacgtwaat tttgaaaaga wtgcatgatt      480
tcttgacaga aatcgatctt gatgctgtgg aagtagtttg acccacatcc ctatgagttt      540
ttcttagaat gtataaagggt ttagagcccat cnaacttcaa agaaaaaaat gaccacatac      600
tttgcaatca ggctgaaatg tggcatgctn ttctaattcc aactttataa actagcaaan      660
aagtg                                             665

```

```

<210> 197

```

<211> 492
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (492)
 <223> n = A,T,C or G

<400> 197
 tttntttttt ttttttttgc aggaaggatt ccattttattg tggatgcatt ttcacaatat 60
 atgttttattg gagcgatcca ttatcagtga aaagtatcaa gtgtttataa natttttagg 120
 aaggcagatt cacagaacat gctngtcngc ttgcagtttt acctcgtana gatnacagag 180
 aattatagtc naaccagtaa acnaggaatt tacttttcaa aagattaaat ccaaactgaa 240
 caaaattcta ccttgaact tactccatcc aaatattgga ataanagtca gcagtgatac 300
 attctcttct gaactttaga ttttctagaa aaatatgtaa tagtgatcag gaagagctct 360
 tgttcaaaag tacaacnaag caatgttccc ttaccatagg ccttaattca aactttgatc 420
 catttcactc ccatcacggg agtcaatgct acctgggaca cttgtatttt gtatcatnctg 480
 ancntggctt aa 492

<210> 198
 <211> 478
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (478)
 <223> n = A,T,C or G

<400> 198
 tttnttttgn atttcantct gtannaanta ttttcattat gtttattana aaaatatnaa 60
 tgtntccacn acaaactcatn ttacntnagt aagaggccan ctacattgta caacatacac 120
 tgagtatatt ttgaaaagga caagttttaa gtanacncat attgccganc atancacatt 180
 tatacatggc ttgattgata tttagcacag canaaactga gtgagttacc agaaanaaat 240
 natatatgtc aatcngattt aagatacaaa acagatccta tggtagatan catcntgtag 300
 gagttgtggc tttatgttta ctgaaagtca atgcagttcc tgtacaaaga gatggccgta 360
 agcattctag tacctctact ccatggttaa gaatcgtaca cttatgttta catatgtnc 420
 gggtagaagt tgtgttaagt naanttatgg agagggtccan gagaaaaatt tgatncaa 478

<210> 199
 <211> 482
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (482)
 <223> n = A,T,C or G

<400> 199
 agtgacttgt cctccaacaa aacccttga tcaagtttgt ggactgaca atcagacct 60
 tgctagtccc tgtcatctat tcgctactaa atgcagactg gaggggacca aaaaggggca 120
 tcaactccag ctggattatt ttggagcctg caaatctatt cctacttgta cggactttga 180

```

agtgattcag tttcctctac ggatgagaga ctggctcaag aatatacctca tgcagcttta      240
tgaagccnac tctgaacacg ctgggttatct nagatgagaa ncagagaaat aaagtcnaga      300
aaattttacct ggangaaaag aggcttttngg ctgggggacca tcccattgaa ccttctctta      360
anggacttta agaanaaaact accacatgtn tgtngtatcc tgggtgccngg ccgtttantg      420
aacntngacn ncacccttnt ggaatanant cttgacngcn tcctgaactt gctcctctgc      480
ga                                                                                   482

```

```

<210> 200
<211> 270
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1) ... (270)
<223> n = A,T,C or G

```

```

<400> 200
cggccgcaag tgcaactcca gctgggggccg tgcggacgaa gattctgcca gcagttgggc      60
cgactgcgac gacggcgccg gcgacagtcg caggtgcagc gcgggcgcct ggggtcttgc      120
aaggctgagc tgacgccgca gaggtcgtgt cacgtcccac gaccttgacg ccgtcgggga      180
cagccggaac agagcccggg gaangcggga ggcctcgggg agcccctcgg gaagggcggc      240
ccgagagata cgcaggtgca ggtggccgcc                                     270

```

```

<210> 201
<211> 419
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1) ... (419)
<223> n = A,T,C or G

```

```

<400> 201
tttttttttt ttttgaatc tactgcgagc acagcaggtc agcaacaagt ttattttgca      60
gctagcaagg taacagggtg gggcatggtt acatgttcag gtcaacttcc tttgtcgtgg      120
ttgattggtt tgtctttatg ggggcggggg ggggtagggg aaancgaagc anaantaaca      180
tggagtgggt gcacctccc tgtagaacct gggttacnaaa gcttggggca gttcacctgg      240
tctgtgaccg tcattttctt gacatcaatg ttattagaag tcaggatatc ttttagagag      300
tccactgtnt ctggaggagg attaggggtt cttgccanaa tccaancaa atccacntga      360
aaaagttgga tgatncangt acngaatacc ganggcatan ttctcatant cgggtggcca      419

```

```

<210> 202
<211> 509
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1) ... (509)
<223> n = A,T,C or G

<400> 202

```

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<210> 205
 <211> 545
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(545)
 <223> n = A,T,C or G

<400> 205
 tttttntttt ttttttcagt aataatcaga acaatattta tttttatatt taaaattcat 60
 agaaaagtgc cttacattta ataaaagttt gtttctcaaa gtgatcagag gaattagata 120
 tngtcttgaa caccaatatt aatttgagga aaatacacca aaatacatta agtaaattat 180
 ttaagatcat agagcttgta agtgaaaaga taaaatttga cctcagaaac tctgagcatt 240
 aaaaatccac tattagcaaa taaattacta tggacttctt gctttaattt tgtgatgaat 300
 atggggtgtc actggtaaac caacacattc tgaaggatac attacttagt gatagattct 360
 tatgtacttt gctanatnac gtggatatga gttgacaagt ttctctttct tcaatctttt 420
 aaggggcnga ngaaatgagg aagaaaagaa aaggattacg catactgttc tttctatngg 480
 aaggattaga tatgtttcct ttgccaatat taaaaaata ataatgttta ctactagtga 540
 aacct 545

<210> 206
 <211> 487
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(487)
 <223> n = A,T,C or G

<400> 206
 tttttttttt ttttttagtc aagtttctna tttttattat aattaaagtc ttggtcattt 60
 catttattag ctctgcaact tacatattta aattaaagaa acgttnttag acaactgtna 120
 caatttataa atgtaagggtg ccattattga gtanatatat tcctccaaga gtggatgtgt 180
 cccttctccc accaactaat gaancagcaa cattagttaa attttatttag tagatnatac 240
 actgctgcaa acgctaattc tcttctccat ccccatgtng atattgtgta tatgtgtgag 300
 ttggtnagaa tgcatcanca atctnacaat caacagcaag atgaagctag gcntgggctt 360
 tcggtgaaaa tagactgtgt ctgtctgaat caaatgatct gacctatcct cgggtggcaag 420
 aactcttcga accgcttcct caaaggcngc tgccacattt gtggcntctn ttgcacttgt 480
 ttcaaaa 487

<210> 207
 <211> 332
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(332)
 <223> n = A,T,C or G

<400> 207

tgaattggct	aaaagactgc	atTTTTanaa	ctagcaacte	ttatttcttt	cctttaaaaa	60
tacatagcat	taaatcccaa	atcctattta	aagacctgac	agcttgagaa	ggtcactact	120
gcatttatag	gaccttctgg	tggttctgct	gttacntttg	aantctgaca	atccttgana	180
atccttgcac	gcagaggagg	taaaagggtat	tggattttca	cagaggaana	acacagcgca	240
gaaatgaagg	ggccaggcct	actgagcctg	tccactggag	ggctcatggg	tgggacatgg	300
aaaagaaggc	agcctaggcc	ctggggagcc	ca			332

<210> 208

<211> 524

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(524)

<223> n = A,T,C or G

<400> 208

agggcgctgg	gcggagggcg	ttactgtttt	gtctcagtaa	caataaatac	aaaaagactg	60
gttggtgtcc	ggcccatcc	aaccacgaag	ttgatttctc	ttgtgtgcag	agtgactgat	120
tttaaaggac	atggagcctg	tcacaatgtc	acaatgtcac	agtgtgaagg	gcacactcac	180
tcccgctga	ttcacattta	gcaaccaaca	atagctcatg	agtcataact	tgtaaataact	240
tttggcagaa	tacttnttga	aacttgcaga	tgataactaa	gatccaagat	atttcccaaa	300
gtaaatagaa	gtgggtcata	atattaatta	cctgttcaca	tcagcttcca	tttacaagtc	360
atgagcccag	acactgacat	caaactaagc	ccacttagac	tcctcaccac	cagtctgtcc	420
tgtcatcaga	caggagcctg	tcaccttgac	caaattctca	ccagtcaatc	atctatccaa	480
aaaccattac	ctgatccact	tccggtaatg	caccaccttg	gtga		524

<210> 209

<211> 159

<212> DNA

<213> Homo sapien

<400> 209

gggtgaggaa	atccagagtt	gccatggaga	aaattccagt	gtcagcattc	ttgctccttg	60
tggccctctc	ctacactctg	gccagagata	ccacagtcaa	acctggagcc	aaaaaggaca	120
caaaggactc	tgcacccaaa	ctgccccaga	ccctctcca			159

<210> 210

<211> 256

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(256)

<223> n = A,T,C or G

<400> 210

actccctggc	agacaaaggc	agaggagaga	gctctgttag	ttctgtgttg	ttgaactgcc	60
actgaatttc	tttccacttg	gactattaca	tgccanttga	gggactaatg	gaaaaacgta	120
tggggagatt	ttanccaatt	tangtntgta	aatggggaga	ctggggcgagg	cgggagagat	180
ttgcagggtg	naaatgggan	ggctggtttg	ttanatgaac	agggacatag	gaggtaggca	240
ccaggatgct	aaatca					256

<210> 211
 <211> 264
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(264)
 <223> n = A,T,C or G

<400> 211
 acattgtttt tttgagataa agcattgaga gagctctcct taacgtgaca caatggaagg 60
 actggaacac ataccacat ctttgttctg agggataatt ttctgataaa gtcttgctgt 120
 atattcaagc acatatgtta tatattattc agttccatgt ttatagccta gttaaggaga 180
 ggggagatac attcngaaag aggactgaaa gaaatactca agtnggaaaa cagaaaaaga 240
 aaaaaaggag caaatgagaa gcct 264

<210> 212
 <211> 328
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(328)
 <223> n = A,T,C or G

<400> 212
 acccaaaaat ccaatgctga atatttggtc tcattattcc canattottt gattgtcaaa 60
 ggatttaatg ttgtctcagc ttgggcactt cagttaggac ctaaggatgc cagccggcag 120
 gtttatatat gcagcaacaa tattcaagcg cgacaacagg ttattgaact tgcccggcag 180
 ttnaatttca ttccattga cttgggatcc ttatcatcag ccagagagat tgaaaattta 240
 cccctacnac tctttactct ctgganaggg ccagtgggtg tagctataag cttggccaca 300
 ttttttttct cttttattcct ttgtcaga 328

<210> 213
 <211> 250
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(250)
 <223> n = A,T,C or G

<400> 213
 acttatgagc agagcgacat atccnagtgt agactgaata aaactgaatt ctctccagtt 60
 taaagcattg ctactgaag ggatagaagt gactgccagg agggaaagta agccaaggct 120
 cattatgcca aagganatat acatttcaat tctccaaact tcttcctcat tccaagagtt 180
 ttcaatatat gcatgaacct gctgataanc catgttaana aacaaatatt tctctnacct 240
 tctcatcggt 250

<210> 214

006230" 982T5960

```
<220>
<221> misc_feature
<222> (1) ... (444)
<223> n = A,T,C or G
```

```
<210> 215
<211> 366
<212> DNA
<213> Homo sapien
```

```
<210> 216
<211> 260
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(260)
<223> n = A,T,C or G
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<400>	216						
ctgtataaac	agaactccac	tgcangaggg	agggccgggc	caggagaatc	tccgcttgtc		60
caagacaggg	gcctaaggag	ggtctccaca	ctgctnntaa	gggctnttnc	atTTTTTTat		120
taataaaaaag	tnnaaaaggc	ctcttctcaa	ctTTTTTccc	ttnggctgga	aaatttaaaa		180
atcaaaaaat	tcctnaagtt	ntcaagctat	catataatac	ntatcctgaa	aaagcaacat		240
aattcttctc	tccctccttt						260

<210> 217
 <211> 262
 <212> DNA
 <213> Homo sapien

 <220>
 <221> misc_feature
 <222> (1)...(262)
 <223> n = A,T,C or G

<400> 217
 acctacgtgg gtaagtttan aaatgttata atttcaggaa naggaacgca tataattgta 60
 tcttgccat aattttctat tttaataagg aaatagcaaa ttgggggtggg gggaatgtag 120
 ggcattctac agtttgagca aaatgcaatt aaatgtggaa ggacagcact gaaaaatttt 180
 atgaataatc tgtatgatta tatgtctcta gagtagattt ataattagcc acttacccta 240
 atatccttca tgcttgtaaa gt 262

<210> 218
 <211> 205
 <212> DNA
 <213> Homo sapien

 <220>
 <221> misc_feature
 <222> (1)...(205)
 <223> n = A,T,C or G

<400> 218
 accaaggtgg tgcattaccg gaantggatc aangacacca tegtggccaa cccctgagca 60
 cccctatcaa ctcccttttg tagtaaaactt ggaaccttgg aaatgaccag gccaaagactc 120
 aggctcccc agttctactg acctttgtcc ttangtntna ngtccagggg tgctaggaaa 180
 anaaatcagc agacacaggt gtaaa 205

<210> 219
 <211> 114
 <212> DNA
 <213> Homo sapien

<400> 219
 tactgttttg tctcagtaac aataaatata aaaagactgg ttgtgttccg gccccatcca 60
 accacgaagt tgatttctct tgtgtgcaga gtgactgatt ttaaaggaca tgga 114

<210> 220
 <211> 93
 <212> DNA
 <213> Homo sapien

<400> 220
 actagccagc acaaaaggca gggtagcctg aattgctttc tgctctttac atttctttta 60
 aaataagcat ttagtgctca gtccctactg agt 93

<210> 221
 <211> 167

<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1) ... (167)
<223> n = A,T,C or G

<400> 221
actangtgca ggtgcgacaca aatatttgtc gatattccct tcatcttgga ttccatgagg 60
tcttttgccc agcctgtggc tctactgtag taagtttctg ctgatgagga gccagnatgc 120
ccccactac cttccctgac gctccccana aatcacccaa cctctgt 167

<210> 222
<211> 351
<212> DNA
<213> Homo sapien

<400> 222
agggcgtggt ggcgagggcg gtactgacct cattagtagg aggatgcatt ctggcacccc 60
gttcttcacc tgtcccccaa tccttaaaag gccatactgc ataaagtcaa caacagataa 120
atgtttgctg aattaaagga tggatgaaaa aaattaataa tgaatttttg cataatccaa 180
ttttctcttt tatatttcta gaagaagttt ctttgagcct attagatccc gggaaatcttt 240
taggtgagca tgattagaga gcttgtagggt tgcttttaca tatatctggc atatttgagt 300
ctcgtatcaa aacaatagat tggtaaaggt ggtattattg tattgataag t 351

<210> 223
<211> 383
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1) ... (383)
<223> n = A,T,C or G

<400> 223
aaaacaaaca aacaaaaaaa acaattcttc attcagaaaa attatcttag ggactgatat 60
tggttaattat ggtcaattta atwrtrttkt ggggcatttc cttacattgt cttgacaaga 120
ttaaattgtc tgtgccaaaa ttttgtattt tatttggaga cttcttatca aaagtaatgc 180
tgccaaagga agtctaagga attagtagtg ttcccmtcac ttgtttggag tgtgctattc 240
taaaagattt tgatttctctg gaatgacaat tatattttta ctttgggtggg ggaaanagtt 300
ataggaccac agtcttcaact tctgatactt gttaaattaat cttttattgc acttgttttg 360
accattaagc tatatgttta aaa 383

<210> 224
<211> 320
<212> DNA
<213> Homo sapien

<400> 224
cccctgaagg cttcttggtta gaaaatagta cagttacaac caataggaac aacaaaaaga 60
aaaagtttgt gacattgtag tagggagtgt gtacccttta ctccccatca aaaaaaaaaat 120
ggatacatgg tttaaaggata raagggaat attttatcat atgttctaaa agagaaggaa 180

005280"9225960

gagaaaatac tacttttctc aaatggaagc ccttaaaggt gctttgatac tgaaggacac 240
 aaatgtggcc gtccatcctc ctttaragtt gcatgacttg gacacggtaa ctgttgcaagt 300
 tttaractcm gcattgtgac 320

<210> 225
 <211> 1214
 <212> DNA
 <213> Homo sapien

<400> 225
 gaggactgca gcccgcactc gcagccctgg caggcggcac tggatcatgga aaacgaattg 60
 ttctgctcgg gcgtcctggg gcatccgcag tgggtgctgt cagccgcaca ctgtttccag 120
 aactcctaca ccatcgggct gggcctgcac agtcttgagg ccgaccaaga gccaggggagc 180
 cagatggtgg aggccagcct ctccgtacgg caccagagat acaacagacc cttgctcgtc 240
 aacgacctca tgctcatcaa gttggacgaa tccgtgtccg agtctgacac catccggagc 300
 atcagcattg cttcgcagtg cctaccgcg gggaaactctt gcctcgtttc tggctgggggt 360
 ctgctggcga acggcagaat gcctaccgtg ctgcagtgcg tgaacgtgtc ggtggtgtct 420
 gaggaggtct gcagtaagct ctatgaccgg ctgtaccacc ccagcatgtt ctgcgccggc 480
 ggagggcaag accagaagga ctccctgcaac ggtgactctg gggggccctt gatctgcaac 540
 gggactctgc agggccttgt gtcttttcgga aaagccctgt gtggccaagt tggcgtgcca 600
 ggtgtctaca ccaacctctg caaattcact gactggatag agaaaaccgt ccaggccagt 660
 taactctggg gactgggaac ccatgaaatt gacccccaaa tacatcctgc ggaaggaatt 720
 caggaatatc tgttcccagc cctcctccc tcaggcccag gactccaggc cccagcccc 780
 tctcctccta aaccaagggt acagatcccc agccctcct cctcagacc caggagtcca 840
 gacccccag cccctcctcc ctccagacca ggagtccag cctcctccc tcagaccag 900
 gactccagac cccccagccc ctccctccc agacccaggg gtccaggccc ccaacccctc 960
 ctccctcaga ctccagaggtc caagccccca acccctcctt cccagacccc agaggtccag 1020
 gtccagccc ctccctccc agacccagcg gtccaatgcc acctagactc tccctgtaca 1080
 cagtgcctcc ttgtggcagc ttgacccaac cttaccagtt ggtttttcat tttttgtccc 1140
 tttcccttag atccagaaat aaagtctaag agaagcgcaa aaaaaaaaaa aaaaaaaaaa 1200
 aaaaaaaaaa aaaa 1214

<210> 226
 <211> 119
 <212> DNA
 <213> Homo sapien

<400> 226
 acccagtatg tgcagggaga cggaacccca tgtgacagcc cactccacca gggttcccaa 60
 agaacctggc ccagtcataa tcattcatcc tgacagtggc aataatcacg ataaccagt 119

<210> 227
 <211> 818
 <212> DNA
 <213> Homo sapien

<400> 227
 acaattcata gggacgacca atgaggacag ggaatgaacc cggctctccc ccagccctga 60
 tttttgtac atatgggggc ctttttcatt ctttgcaaaa acactggggt ttctgagaac 120
 acggacgggt cttagcaca tttgtgaaat ctgtgtaraa ccgggctttg caggggagat 180
 aattttcctc ctctggagga aaggtggtga ttgacaggca gggagacagt gacaaggcta 240
 gagaaagcca cgctcggcct tctctgaacc aggatgggaa ggcagacccc tgaaaacgaa 300
 gcttgtcccc ttccaatcag ccaattctga gaacccccat ctaacttct actggaaaag 360
 agggcctcct caggagcagt ccaagagttt tcaaagataa cgtgacaact accatctaga 420

ggaaaggggtg caccctcagc agagaagccg agagcttaac tctggtcgtt tccagagaca 480
 acctgctggc tgtcttggga tgcgccccagc ctttgagagg ccaactaccc atgaacttct 540
 gccatccact ggacatgaag ctgaggacac tgggcttcaa cactgagttg tcatgagagg 600
 gacaggtctt gccctcaagc cggctgaggg cagcaaccac tctcctcccc tttctcacgc 660
 aaagccattc ccacaaatcc agaccatacc atgaagcaac gagacccaaa cagtttggct 720
 caagaggata tgaggactgt ctcagcctgg ctttgggctg acaccatgca cacacacaag 780
 gtccacttct aggttttcag cctagatggg agtcgtgt 818

<210> 228

<211> 744

<212> DNA

<213> Homo sapien

<400> 228

actggagaca ctggtgaact tgatcaagac ccagaccacc ccaggtctcc ttcgtgggat 60
 gtcattgacgt ttgacatacc tttggaacga gcctcctcct tgggaagatgg aagaccgtgt 120
 tcgtggccga cctggcctct cctggcctgt ttcttaagat ggggagtcac atttcaatgg 180
 taggaaaagt ggcttcgtaa aatagaagag cagtcactgt ggaactacca aatggcgaga 240
 tgctcgggtgc acattggggg gctttgggat aaaagattta tgagccaact attctctggc 300
 accagattct aggccagttt gttccactga agcttttccc acagcagtc accctctgcag 360
 gctggcagct gaatggcctt ccgggtggctc tgtggcaaga tcacactgag atcgatgggt 420
 gagaaggcta ggatgcttgt ctagtgttct tagctgtcac gttggctcct tccaggttgg 480
 ccagacgggtg ttggccactc ccttctaaaa cacaggcgcc ctctgggtga cagtgacccg 540
 ccgtgggtatg ccttggccca ttccagcagt ccagttatg catttcaagt ttgggggttg 600
 ttcttttcgt taatgttctt ctgtgttggtc agctgtcttc atttctggg ctaagcagca 660
 ttgggagatg tggaccagag atccactcct taagaaccag tggcgaaaga cactttcttt 720
 cttcactctg aagtagctgg tgggt 744

<210> 229

<211> 300

<212> DNA

<213> Homo sapien

<400> 229

cgagtctggg ttttgtctat aaagtttgat ccctcctttt ctcattccaaa tcatgtgaac 60
 cattacacat cgaaataaaa gaaaggtggc agacttgccc aacgccaggc tgacatgtgc 120
 tgcagggttg ttgtttttta attattattg ttagaaacgt caccacagc cctgttaat 180
 ttgtatgtga cagccaactc tgagaaggct ctatttttcc acctgcagag gatccagtct 240
 cactaggctc ctcttggccc tcacactgga gtctccgcca gtgtgggtgc ccactgacat 300

<210> 230

<211> 301

<212> DNA

<213> Homo sapien

<400> 230

cagcagaaca aatacaata tgaagagtgc aaagatctca taaaatctat gctgaggaat 60
 gagcgacagt tcaaggagga gaagcttgca gagcagctca agcaagctga ggagctcagg 120
 caataaaag tcctgggttc cactcaggaa cgagagctga cccagttaag ggagaagttg 180
 cgggaaggga gagatgcctc cctctcattg aatgagcatc tccaggccct cctcactccg 240
 gatgaaccgg acaagtccca ggggcaggac ctccaagaaa cagacctcgg ccgcgaccac 300
 g 301

<210> 231

<211> 301
 <212> DNA
 <213> Homo sapien

<400> 231
 gcaagcacgc tggcaaatct ctgtcaggtc agctccagag aagccattag tcatttttagc 60
 caggaactcc aagtccacat ccttggcaac tggggacttg cgcaggttag ccttgaggat 120
 ggcaacacgg gactttctcat caggaagtgg gatgtagatg agctgatcaa gacggccagg 180
 tctgaggatg gcaggatcaa tgatgtcagg ccggttggtta ccgccaatga tgaacacatt 240
 tttttttgtg gacatgccat ccattttctgt caggatctgg ttgatgactc ggtcagcagc 300
 c 301

<210> 232
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 232
 agtaggtatt tctgtgagaag ttcaacacca aaactggaac atagttctcc ttcaagtgtt 60
 ggcgacacgc gggcttctctg attctggaat ataactttgt gtaaattaac agccacctat 120
 agaagagtcc atctgtctgtg aaggagagac agagaactct gggttccgtc gtcctgtcca 180
 cgtgtctgtac caagtgtctgg tgccagcctg ttacctgttc tcaactgaaa tctggctaata 240
 gctcttctgt atcacttctg attctgacaa tcaatcaatc aatggcctag agcactgact 300
 g 301

<210> 233
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 233
 atgactgact tcccagtaag gctctctaa gggtaagtag gaggatccac aggatttgag 60
 atgctaaggc cccagagatc gtttgatcca accctcttat tttcagaggg gaaaatgggg 120
 cctagaagtt acagagcatc tagctggtgc gctggcaccc ctggcctcac acagactccc 180
 gagtagctgg gactacaggc acacagtcac tgaagcaggc cctggttagca attctatgcg 240
 taaaaattaa catgagatga gtagagactt tattgagaaa gcaagagaaa atcctatcaa 300
 c 301

<210> 234
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 234
 aggtcctaca catcgagact catccatgat tgatatgaat ttaaaaatta caagcaaaga 60
 cattttatcc atcatgatgc tttcttttctg ttcttctttt cgttttcttc tttttctttt 120
 tcaatttcag caacatactt ctcaatttct tcaggattta aaatcttgag ggattgatct 180
 cgctcatga cagcaagttc aatgtttttg ccacctgact gaaccacttc caggagtgcc 240
 ttgatcacca gcttaatggg cagatcatct gcttcaatgg ctctgctcagt atagttcttc 300
 t 301

<210> 235
 <211> 283
 <212> DNA

<213> Homo sapien

<400> 235

tggggctgtg	catcaggcgg	gtttgagaaa	tattcaattc	tcagcagaag	ccagaatttg	60
aattccctca	tcttttaggg	aatcatttac	caggtttgga	gaggattcag	acagctcagg	120
tgttttcact	aatgtctctg	aacttctgtc	cctctttgtt	catggatagt	ccaataaata	180
atgttatctt	tgaactgatg	ctcataggag	agaatataag	aactctgagt	gatatcaaca	240
ttagggattc	aaagaaatat	tagatttaag	ctcacactgg	tca		283

<210> 236

<211> 301

<212> DNA

<213> Homo sapien

<400> 236

aggtcctcca	ccaactgcct	gaagcacggg	taaaattggg	aagaagtata	gtgcagcata	60
aatactttta	aatcgatcag	atttccttaa	cccacatgca	atcttcttca	ccagaagagg	120
tcggagcagc	atcattaata	ccaagcagaa	tgcgtaatag	ataaatacaa	tggtatatag	180
tgggtagacg	gcttcgatgag	tacagtgtac	tgtggtatcg	taatctggac	ttgggttgta	240
aagcatcgtg	taccagtcag	aaagcatcaa	tactcgacat	gaacgaatat	aaagaacacc	300
a						301

<210> 237

<211> 301

<212> DNA

<213> Homo sapien

<400> 237

cagtggtagt	ggtgggtggac	gtggcggttg	tcgtgggtgcc	ttttttggtg	cccgtcacaa	60
actcaatttt	tgttcgctcc	tttttggcct	tttccaattt	gtccatctca	attttctggg	120
ccttggtctaa	tgctcatag	taggagtcct	cagaccagcc	atggggatca	aacatatcct	180
ttgggtagtt	ggtgccaaagc	tcgtcaatgg	cacagaatgg	atcagcttct	cgtaaatacta	240
gggttccgaa	attctttctt	cctttggata	atgtagttca	tatccattcc	ctccttttatc	300
t						301

<210> 238

<211> 301

<212> DNA

<213> Homo sapien

<400> 238

gggcagggttt	tttttttttt	ttttttgatg	gtgcagaccc	ttgctttatt	tgtctgactt	60
gttcacagtt	cagccccctg	ctcagaaaac	caacggggcca	gctaaggaga	ggaggaggca	120
ccttgagact	tccggagtcg	aggctctcca	gggttccccca	gcccataat	cattttctgc	180
acccccctgcc	tgggaagcag	ctccctgggg	ggtgggaatg	ggtgactaga	agggatttca	240
gtgtgggacc	cagggctctgt	tcttcacagt	aggaggtgga	agggatgact	aattttcttta	300
t						301

<210> 239

<211> 239

<212> DNA

<213> Homo sapien

<400> 239

006280 " GCTTGGG

ataagcagct	agggaattct	ttatttagta	atgtcctaac	ataaaaagttc	acataactgc	60
ttctgtcaaa	ccatgatact	gagctttgtg	acaaccacaga	aataactaag	agaaggcaaa	120
cataatacct	tagagatcaa	gaaacattta	cacagttcaa	ctgttttaaaa	atagctcaac	180
attcagccag	tgagtagagt	gtgaatgcc	gcatacacag	tatacaggtc	cttcaggga	239

<210> 240

<211> 300

<212> DNA

<213> Homo sapien

<400> 240

ggtcctaata	g	aagcagcagc	ttccacattt	taacgcaggt	ttacggtgat	actgtccttt	60
gggatctgcc		ctccagtgga	accttttaag	gaagaagtgg	gccaagcta	agttccacat	120
gctgggtgag		ccagatgact	tctgttcctt	ggtcactttc	ttcaatgggg	cgaatggggg	180
ctgccaggtt		tttaaaatca	tgcttcctct	tgaagcacac	ggtcacttca	ccctcctcac	240
gctgtgggtg		tactttgatg	aaaataccca	ctttgttggc	ctttctgaag	ctataatgtc	300

<210> 241

<211> 301

<212> DNA

<213> Homo sapien

<400> 241

gaggtctggt		gctgaggtct	ctgggctagg	aagaggagtt	ctgtggagct	ggaagccaga	60
cctcttttga		ggaaactcca	gcagctatgt	tggtgtctct	gagggaatgc	aacaaggctg	120
ctcctccatg		tattggaaaa	ctgcaaactg	gactcaactg	gaagggaagt	ctgctgccag	180
tgtgaagaac		cagcctgagg	tgacagaaac	ggaagcaaac	aggaacagcc	agtcttttct	240
tcctcctcct		gtcatacggg	ctctctcaag	catcctttgt	tgtcaggggg	ctaaaagggg	300
g							301

<210> 242

<211> 301

<212> DNA

<213> Homo sapien

<400> 242

ccgaggtcct		gggatgcaac	caatcactct	gtttcacgtg	acttttatca	ccatacaatt	60
tgtggcattt		cctcattttc	tacattgtag	aatcaagagt	gtaaataaat	gtatatcgat	120
gtcttcaaga		atatatcatt	cctttttcac	tagaaccat	tcaaaatata	agtcaagaat	180
cttaatatca		acaaatatat	caagcaaact	ggaaggcaga	ataactacca	taatttagta	240
taagtaccca		aagttttata	aatcaaaagc	cctaagtata	accattttta	gaattcaatc	300
a							301

<210> 243

<211> 301

<212> DNA

<213> Homo sapien

<400> 243

aggtaagtcc		cagtttgaag	ctcaaaagat	ctggtatgag	cataggctca	tcgacgacat	60
ggtggcccaa		gctatgaaat	cagagggagg	cttcactctg	gcctgtaaaa	actatgatgg	120
tgacgtgcag		tcggactctg	tgggccaagg	gtatggctct	ctcggcatga	tgaccagcgt	180
gctggtttgt		ccagatggca	agacagtaga	agcagaggct	gccacgggga	ctgtaaccgg	240
tcactaccgc		atgttccaga	aaggacagga	gacgtccacc	aatcccattg	cttccatttt	300

t

301

<210> 244
 <211> 300
 <212> DNA
 <213> Homo sapien

<400> 244
 gctgggttgc aagaatgaaa tgaatgattc tacagctagg acttaacctt gaaatggaaa 60
 gtcacatgcaat cccatttgca ggatctgtct gtgcacatgc ctctgtagag agcagcattc 120
 ccagggacct tggaaacagt tgacactgta aggtgcttgc tccccaagac acatcctaaa 180
 aggtgttgta atgggtgaaaa cgtcttcctt ctttattgcc cttctttatt tatgtgaaca 240
 actgtttgtc ttttgtgtat cttttttaa ctgtaaaagt caattgtgaa aatgaatatc 300

<210> 245
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 245
 gtctgagtat ttaaaatggt attgaaatta tccccaacca atgttagaaa agaaagaggt 60
 tatatactta gataaaaaat gaggtgaatt actatccatt gaaatcatgc tcttagaatt 120
 aaggccagga gatattgtca ttaatgtara cttcaggaca ctagagtata gcagccctat 180
 gttttcaaag agcagagatg caattaaata ttgttttagca tcaaaaaggc cactcaatac 240
 agctaataaa atgaaagacc taatttctaa agcaattctt tataattttac aaagttttaa 300
 g 301

<210> 246
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 246
 ggtctgtcct acaatgcctg cttcttgaaa gaagtcggca ctttctagaa tagctaaata 60
 acctgggctt atttttaaaga actatttgta gctcagattg gttttcctat ggctaaaata 120
 agtgcttctt gtgaaaatta aataaaacag ttaattcaaa gccttgatat atgttaccac 180
 taacaatcat actaaatata ttttgaagta caaagtttga catgctctaa agtgacaacc 240
 caaatgtgtc ttacaaaaca cgttcctaac aaggatatgt ttacactacc aatgcagaaa 300
 c 301

<210> 247
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 247
 aggtcctttg gcagggctca tggatcagag ctcaaactgg agggaaaggc atttcgggta 60
 gcctaagagg gcgactggcg gcagcacaac caaggaaggc aaggttggtt cccccacgct 120
 gtgtcctgtg ttcaggtgcy acacacaatc ctcatgggaa caggatcacc catgcgctgc 180
 ccttgatgat caaggttggg gcttaagtgg attaaggag gcaagttctg ggttccttgc 240
 cttttcaaac catgaagtca ggctctgtat ccctcctttt cctaactgat attctaacta 300
 a 301

<210> 248

00651236 "032900

<211> 301
 <212> DNA
 <213> Homo sapien

<400> 248
 aggtccttgg agatgccatt tcagccgaag gactcttctw ttcggaagta caccctcact 60
 attaggaaga ttcttagggg taatTTTTct gaggaaggag aactagccaa cttagaatt 120
 acaggaagaa agtggtttgg aagacagcca aagaaataaa agcagattaa attgtatcag 180
 gtacattcca gcctgttggc aactccataa aaacatttca gattttaatc ccgaatttag 240
 ctaatgagac tggatttttg ttttttatgt tgtgtgtcgc agagctaaaa actcagttcc 300
 c 301

<210> 249
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 249
 gtccagagga agcacctggt gctgaactag gcttgccctg ctgtgaactt gcacttggag 60
 ccctgacgct gctgttctcc ccgaaaaacc cgaccgacct ccgcgatctc cgccccgcc 120
 ccaggggagac acagcagtga ctccagagctg gtccgacact gtgcctccct cctcaccgcc 180
 catcgtaatg aattattttg aaaattaatt ccaccatcct ttcagattct ggatggaaag 240
 actgaatctt tgactcagaa ttgtttgctg aaaagaatga tgtgactttc ttagtcattt 300
 a 301

<210> 250
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 250
 ggtctgtgac aaggacttgc aggetgtggg aggcaagtga cccttaacac tacatttctc 60
 cttatcttta ttggcttgat aaacataatt atttctaaca ctagcttatt tccagttgcc 120
 cataagcaca tcagtacttt tctctggctg gaatagtaaa ctaaagtatg gtacatctac 180
 ctaaaagact actatgtgga ataatacata ctaatgaagt attacatgat ttaaagacta 240
 caataaaacc aaacatgctt ataacattaa gaaaaacaat aaagatacat gattgaaacc 300
 a 301

<210> 251
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 251
 gccgagggcc tacatttggc ccagtttccc cctgcatact ctccaggggc cctgcctcat 60
 agacaacctc atagagcata ggagaactgg ttgccttggg ggcaggggga ctgtctggat 120
 ggcaggggtc ctcaaaaatg ccaactgtcac tgccaggaaa tgcttctgag cagtacacct 180
 cattgggatc aatgaaaagc ttcaagaaat cttcaggctc actctcttga aggcccgga 240
 cctctggagg ggggcagtggt aatccagct ccaggacgga tcctgtcgaa aagatatcct 300
 c 301

<210> 252
 <211> 301
 <212> DNA

00651236-082900

<213> Homo sapien

<400> 252

```
gcaaccaatc actctgtttc acgtgacttt tatcaccata caatttgtgg catttcctca      60
ttttctacat tgtagaatca agagtgtaaa taaatgtata tcgatgtctt caagaatata      120
tcattccttt ttcactagga acccattcaa aatataagtc aagaatctta atatcaacaa      180
atatatcaag caaactggaa ggcagaataa ctaccataat ttagtataag tacccaaagt      240
tttataaatc aaaagcccta atgataacca tttttagaat tcaatcatca ctgtagaatc      300
a                                                                                   301
```

<210> 253

<211> 301

<212> DNA

<213> Homo sapien

<400> 253

```
ttccctaaga agatgttatt ttgttggggt ttgttccccc tccatctoga ttctcgtacc      60
caactaaaaa aaaaaaataa agaaaaaatg tgctgcgttc tgaaaaataa ctcccttagct      120
tggtctgatt gttttcagac cttaaaatat aaacttgttt cacaagcttt aatccatgtg      180
gatttttttt cttagagaac cacaaaacat aaaaggagca agtcgggactg aatacctgtt      240
tccatagtgc ccacagggtg ttccctcacat tttctccata ggaaaaatgct ttttcccaag      300
g                                                                                   301
```

<210> 254

<211> 301

<212> DNA

<213> Homo sapien

<400> 254

```
cgtgcgcct ttccttggg ggaggggcaa ggccagaggg ggtccaagtg cagcacgagg      60
aacttgacca attcccttga agcgggtggg ttaaaccctg taaatgggaa caaatcccc      120
ccaaatctct tcattctacc ctggtggact cctgactgta gaattttttg gttgaaacaa      180
gaaaaaataa aagcttttga cttttcaagg ttgcttaaca ggtactgaaa gactggcctc      240
acttaactg agccaggaaa agctgcagat ttattaatgg gtgtgttagt gtgcagtgcc      300
t                                                                                   301
```

<210> 255

<211> 302

<212> DNA

<213> Homo sapien

<400> 255

```
agcttttttt tttttttttt tttttttttt ttcattaaaa aatagtgtct tttattataa      60
attactgaaa tgtttctttt ctgaatataa atataaatat gtgcaaagtt tgacttggat      120
tggtgatttg ttgagttctt caagcatctc ctaataccct caagggcctg agtagggggg      180
aggaaaaagg actggagggtg gaatctttat aaaaaacaag agtgattgag gcagattgta      240
aacattatta aaaaacaaga aacaaacaaa aaaatagaga aaaaaaccac cccaacacac      300
aa                                                                                   302
```

<210> 256

<211> 301

<212> DNA

<213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(301)
 <223> n = A,T,C or G

<400> 256
 gttccagaaa acattgaagg tggcttccca aagtctaact agggataccc cctctagcct 60
 aggaccctcc tccccacacc tcaatccacc aaaccatcca taatgcaccc agataggccc 120
 acccccaaaa gcctggacac cttgagcaca cagttatgac caggacagac tcatctctat 180
 aggcaaatag ctgctggcaa actggcatta cctggtttgt ggggatgggg gggcaagtgt 240
 gtggcctctc ggcctgggta gcaagaacat tcagggtagg cctaagttn tcgtgttagt 300
 t 301

<210> 257
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 257
 gttgtggagg aactctggct tgctcattaa gtcctactga ttttactat cccctgaatt 60
 tccccactta tttttgtctt tcaactatcg aggccttaga agaggctctac ctgcctccag 120
 tcttacctag tccagtctac cccctggagt tagaatggcc atcctgaagt gaaaagtaat 180
 gtcacattac tcccttcagt gatttcttgt agaagtgcc atccctgaat gccaccaaga 240
 tottaattct cacatcttta atcttatctc tttgactcct ctttacaccg gagaaggctc 300
 c 301

<210> 258
 <211> 301
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(301)
 <223> n = A,T,C or G

<400> 258
 cagcagtagt agatgccgta tgccagcacg cccagcactc ccaggatcag caccagcacc 60
 aggggcccag ccaccaggcg cagaagcaag ataaacagta ggctcaagac cagagccacc 120
 cccagggcaa caagaatcca ataccaggac tgggcaaaat cttcaaagat cttacactg 180
 atgtctcggg cattgaggct gtcaataana cgctgatccc ctgctgtatg gtggtgtcat 240
 tggtgatccc tgggagcgcc ggtggagtaa cgttgggtcca tggaaagcag cgcccacaac 300
 t 301

<210> 259
 <211> 301
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(301)
 <223> n = A,T,C or G

00651236-082900


```
<210> 260
<211> 301
<212> DNA
<213> Homo sapien
```

```
<210> 261
<211> 301
<212> DNA
<213> Homo sapien
```

```
<210> 262
<211> 301
<212> DNA
<213> Homo sapien
```

```
<210> 263
<211> 301
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc feature
```

<222> (1)...(301)

<223> n = A,T,C or G

<400> 263

tttagcttgt	ggtaaatgac	tcacaaaact	gatttttaaaa	tcaagttaat	gtgaattttg	60
aaaattacta	cttaatccta	attcacaata	acaatggcat	taaggtttga	cttgagttgg	120
ttcttagtat	tatttatggt	aaataggctc	ttaccacttg	caaataactg	gccacatcat	180
taatgactga	cttcccagta	aggctctcta	aggggtaagt	angaggatcc	acaggatttg	240
agatgctaag	gccccagaga	tcgtttgatc	caaccctctt	attttcagag	gggaaaatgg	300
g						301

<210> 264

<211> 301

<212> DNA

<213> Homo sapien

<400> 264

aaagacgtta	aaccactcta	ctaccacttg	tggaactctc	aaagggtaaa	tgacaaaacc	60
aatgaatgac	tctaaaaaca	atattttacat	ttaatggttt	gtagacaata	aaaaaacaag	120
gtggatagat	ctagaattgt	aacatttttaa	gaaaaccata	scatttgaca	gatgagaaag	180
ctcaattata	gatgcaaagt	tataactaaa	ctactatagt	agtaaagaaa	tacatttcac	240
acccttcata	taaattcact	atcttggtct	gaggcactcc	ataaaatgta	tcacgtgcat	300
a						301

<210> 265

<211> 301

<212> DNA

<213> Homo sapien

<400> 265

tgcccaagtt	atgtgtaagt	gtatccgcac	ccagaggtaa	aactacactg	tcattcttgt	60
cttcttgatga	cgcagtattt	cttctctggg	gagaagccgg	gaagtcttct	cctggctcta	120
catattcttg	gaagtctcta	atcaactttt	gttccatttg	tttcatttct	tcaggaggga	180
ttttcagttt	gtcaacatgt	tctctaacaa	cacttgccca	tttctgtaaa	gaatccaaag	240
cagtccaagg	ctttgacatg	tcaacaacca	gcataactag	agtatccttc	agagatacgg	300
c						301

<210> 266

<211> 301

<212> DNA

<213> Homo sapien

<400> 266

taccgtctgc	ccttctctcc	atccaggcca	tctgcgaatc	tacatgggtc	ctcctattcg	60
acaccagatc	actcttttct	ctaccacacg	gcttgctatg	agcaagagac	acaacctctt	120
ctcttctgtg	ttccagcttc	ttttctgtgt	cttcccaccc	cttaagttct	attcctgggg	180
atagagacac	caatacccat	aacctctctc	ctaagcctcc	ttataaccca	gggtgcacag	240
cacagactcc	tgacaactgg	taaggccaat	gaactgggag	ctcacagctg	gctgtgcctg	300
a						301

<210> 267

<211> 301

<212> DNA

<213> Homo sapien

006280" 9625960

<400> 267

```

aaagagcaca ggccagctca gcctgccctg gccatctaga ctcagcctgg ctccatgggg      60
gttctcagtg ctgagtccat ccaggaaaag ctcacctaga cttcttgagg ctgaatcttc      120
atcctcacag gcagcttctg agagcctgat attcctagcc ttgatgggtct ggagtaaagc      180
ctcattctga ttctctctct tcttttcttt caagttggct ttctctcacat ccctctgttc      240
aatcgcttc agcttgtctg ctttagccct catttccaga agcttcttct ctttggcatc      300
t                                                                                   301

```

<210> 268

<211> 301

<212> DNA

<213> Homo sapien

<400> 268

```

aatgtctcac tcaactactt cccagcctac cgtggcctaa ttctgggagt tttcttctta      60
gatcttggga gagctgggtc ttctaaggag aaggaggaag gacagatgta actttggatc      120
tcgaagagga agtctaattg aagtaattag tcaacgggtc ttgttttagac tcttgggaata      180
tgctgggtgg ctcagtgagc ccttttggag aaagcaagta ttattcttaa ggagtaacca      240
cttccattg ttctactttc taccatcatc aattgtatat tatgtattct ttggagaact      300
a                                                                                   301

```

<210> 269

<211> 301

<212> DNA

<213> Homo sapien

<400> 269

```

taacaatata cactagctat ctttttaact gtccatcatt agcaccaatg aagattcaat      60
aaaattacct ttattcacac atctcaaaac aattctgcaa attcttagtg aagtttaact      120
atagtcacag accttaaata ttcacattgt tttctatgtc tactgaaaat aagttcacta      180
cttttctgga tattctttac aaaatcttat taaaattcct ggtattatca cccccaatta      240
tacagtagca caaccacctt atgtagtttt tacatgatag ctctgtagaa gtttcacatc      300
t                                                                                   301

```

<210> 270

<211> 301

<212> DNA

<213> Homo sapien

<400> 270

```

cattgaagag cttttgcgaa acatcagaac acaagtgcct ataaaattaa ttaagcctta      60
cacaagaata catattcctt ttattttctaa ggagttaaac atagatgtag ctgatgtgga      120
gagcttgctg gtgcagtgca tattggataa cactattcat ggccgaattg atcaagtcaa      180
ccaactcctt gaactggatc atcagaagaa ggggtggtgca cgatatactg cactagataa      240
tggaaccaacc aactaaattc tctcaccagg ctgtatcagt aaactggcct aacagaaaac      300
a                                                                                   301

```

<210> 271

<211> 301

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature
 <222> (1)...(301)
 <223> n = A,T,C or G

<400> 271
 aaaagggttct cataagatta acaattttaaa taaatatttg atagaacatt ctttctcatt 60
 tttatagctc atcttttaggg ttgatattca gttcatgctt cccttgctgt tcttgatcca 120
 gaattgcaat cacttcatca gcctgtattc gctccaattc tctataaagt gggccaagg 180
 tgaaccacag agccacagca cacctctttc ccttggtgac tgccttcacc ccatganggt 240
 tctctctcc agatganaac tgatcatgcg cccacatttt gggttttata gaagcagtc 300
 c 301

<210> 272
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 272
 taaattgcta agccacagat aacaccaatc aaatggaaca aatcactgtc ttcaaagtgc 60
 ttatcagaaa accaaatgag cctggaatct tcataatacc taaacatgcc gtatttagga 120
 tccaataatt ccctcatgat gagcaagaaa aattctttgc gcacccctcc tgcattccaca 180
 gcatcttctc caacaaatat aaccttgagt ggcttcttgc aatctatgtt ctttggtttc 240
 ctaaggactt ccattgcac tcctacaata ttttctctac gcaccactag aattaagcag 300
 g 301

<210> 273
 <211> 301
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(301)
 <223> n = A,T,C or G

<400> 273
 acatgtgtgt atgtgtatct ttgggaaaaan aanaagacat cttgtttayt atttttttgg 60
 agagangctg ggacatggat aatcacwtaa tttgctayta tyactttaat ctgactygaa 120
 gaaccgtcta aaaataaaat ttaccatgtc dtatattcct tatagtatgc ttatttcacc 180
 ttytttctgt ccagagagag tatcagtgac ananatttma ggggaamac atgmattggg 240
 gggacttnty tttaacngagm accctgcccc sgcgccctcg makngantt ccgcsananc 300
 t 301

<210> 274
 <211> 301
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(301)
 <223> n = A,T,C or G

<400> 274

cttatataact ctttctcaga ggcaaaagag gagatgggta atgtagacaa ttctttgagg 60
aacagtaaat gattattaga gagaangaat ggaccaagga gacagaaatt aacttgtaaa 120
tgattctctt tggaatctga atgagatcaa gagggccagct ttagcttggtg gaaaagtcca 180
tctaggtatg gttgcattct cgtcttcttt tctgcagtag ataatgaggt aaccgaaggc 240
aattgtgctt cttttgataa gaagctttct tggtcatatc aggaaattcc aganaaaagtc 300
c 301

<210> 275
<211> 301
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(301)
<223> n = A,T,C or G

<400> 275
tcggtgtcag cagcacgtgg cattgaacat tgcaatgtgg agcccaaacc acagaaaatg 60
gggtgaaatt ggccaacttt ctattaactt atgttggcaa ttttgccacc aacagtaagc 120
tgggccttct aataaaagaa aattgaaagg tttctcacta aacggaatta agtagtggag 180
tcaagagact ccagggcctc agcgtacctg ccggggcggc cgctcgaagc cgaattctgc 240
agatatccat cacactggcg gncgctcgan catgcacteta gaaggnccaa ttcgcccctat 300
a 301

<210> 276
<211> 301
<212> DNA
<213> Homo sapien

<400> 276
tgtacacata ctcaataaat aaatgactgc attgtggtat tattactata ctgattatat 60
ttatcatgtg acttctaatt agaaaatgta tccaaaagca aaacagcaga tatacaaat 120
taaagagaca gaagatagac attaacagat aaggcaactt atacattgag aatccaaatc 180
caatacatth aaacatttgg gaaatgaggg ggacaaatgg aagccagatc aaatttgtgt 240
aaaactatth agtatgttth ccttgcttca tgtctgagaa ggctctcctt caatggggat 300
g 301

<210> 277
<211> 301
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(301)
<223> n = A,T,C or G

<400> 277
tttgttgatg tcagtattttt attacttgcg ttatgagtgc tcacctggga aattctaaag 60
atacagagga cttggaggaa gcagagcaac tgaatttaat ttaaaagaag gaaaacattg 120
gaatcatggc actcctgata ctttcccaaa tcaacactct caatgccccca ccctcgctct 180
caccatagtg gggagactaa agtggccacg gatttgcctt angtgtgcag tgcgttctga 240
gttcnctgtc gattacatct gaccagtctc ctttttccga agtccttccg ttcaatcttg 300

006280-9E2T5950

c

301

<210> 278
 <211> 301
 <212> DNA
 <213> Homo sapien

 <220>
 <221> misc_feature
 <222> (1)...(301)
 <223> n = A,T,C or G

<400> 278
 taccactaca ctccagcctg ggcaacagag caagacctgt ctcaaagcat aaaatggaat 60
 aacatatcaa atgaaacagg gaaaatgaag ctgacaatth atggaagcca gggcttgtca 120
 cagtctctac tggtattatg cattacctgg gaatttatat aagcccttaa taataatgcc 180
 aatgaacatc tcatgtgtgc tcacaatgth ctggcactat tataagtgtc tcacaggtht 240
 tatgtgttht tcgtaactth atggantagg tactcggccg cgaacacgtc aagccgaatt 300
 c 301

<210> 279
 <211> 301
 <212> DNA
 <213> Homo sapien

 <220>
 <221> misc_feature
 <222> (1)...(301)
 <223> n = A,T,C or G

<400> 279
 aaagcaggaa tgacaaagct tgctthtctg gtatgtthcta ggtgtattgt gactthtact 60
 gttatattaa ttgccaatat aagtaaatat agattatata tgtatagtgt ttcacaaagc 120
 ttagacctth accttccagc caccctcacag tgcttgatat ttcagagtca gtcattggth 180
 atacatgtgt agttccaaag cacataagct agaanaanaa atattthctag ggagcactac 240
 catctgttht cacatgaaat gccacacaca tagaactcca acatcaattt cattgcacag 300
 a 301

<210> 280
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 280
 ggtactggag thttctctcc ctgtgaaaac gtaactactg ttgggagtga attgaggatg 60
 tagaaaggth gtggaaccaa attgtggtca atggaaatag gagaatatgg thctcactct 120
 tgagaaaaaa acctaaagatt agcccaggta gttgcctgta acttcagtht thctgcctgg 180
 gthtgatata gthtaggtht ggggttagat taagatctaa attacatcag gacaaagaga 240
 cagactatta actccacagt taattaagga ggtatgtthc atgtthtatt gttaaagcag 300
 t 301

<210> 281
 <211> 301
 <212> DNA

00654236-082900

<213> Homo sapien

<400> 281

```

aggtacaaga aggggaatgg gaaagagctg ctgctgtggc attgttcaac ttggatattc      60
gccgagcaat ccaaatcctg aatgaagggg catcttctga aaaaggagat ctgaatctca      120
atgtggtagc aatggcttta tcgggttata cggatgagaa gaactccctt tggagagaaa      180
tgtgtagcac actgcgatta cagctaaata acccgatatt gtgtgtcatg tttgcatttc      240
tgacaagtga aacaggatct tacgatggag ttttgtatga aaacaaagtt gcagtacctc      300
g                                                                                   301

```

<210> 282

<211> 301

<212> DNA

<213> Homo sapien

<400> 282

```

caggtactac agaattaaaa tactgacaag caagtagttt cttggcgtgc acgaattgca      60
tccagaaccc aaaaattaag aaattcaaaa agacattttg tgggcacctg ctagcacaga      120
agcgacagaag caaagcccag gcagaacccat gctaacctta cagctcagcc tgcacagaag      180
cgcagaagca aagcccaggc agaaccatgc taaccttaca gctcagcctg cacagaagcg      240
cagaagcaaa gccccaggcag aacatgctaa ccttacagct cagcctgcac agaagcacag      300
a                                                                                   301

```

<210> 283

<211> 301

<212> DNA

<213> Homo sapien

<400> 283

```

atctgtatac ggcagacaaa ctttatarag tgtagagagg tgagcgaaag gatgcaaaag      60
cactttgagg gctttataat aatatgctgc ttgaaaaaaa aaatgtgtag ttgatactca      120
gtgcatctcc agacatagta aggggttgct ctgaccaatc aggtgatcat tttttctatc      180
acttcccagg ttttatgcaa aaattttggt aaattctata atggtgatat gcacttttta      240
ggaaacatat acatttttaa aaatctatct tatgtaagaa ctgacagacg aatttgcttt      300
g                                                                                   301

```

<210> 284

<211> 301

<212> DNA

<213> Homo sapien

<400> 284

```

caggtacaaa acgctattaa gtggcttaga atttgaacat ttgtgggtctt tatttacttt      60
gcttcgtgtg tgggcaaagc aacatcttcc ctaaatatat attaccaaga aaagcaagaa      120
gcagattagg tttttgacaa aacaaacagg ccaaaagggg gctgacctgg agcagagcat      180
ggtgagaggc aaggcatgag agggcaagtt tgttgtggac agatctgtgc ctactttatt      240
actggagtaa aagaaaacaa agttcattga tgtcgaagga tatatacagt gttagaaatt      300
a                                                                                   301

```

<210> 285

<211> 301

<212> DNA

<213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(301)
 <223> n = A,T,C or G

<400> 285
 acatcaccat gatcggatcc cccacccatt atacgttgta tgtttacata aatactcttc 60
 aatgatcatt agtgttttaa aaaaaatact gaaaactcct tctgcatccc aatctctaac 120
 caggaaagca aatgctatct acagacctgc aagccctccc tcaaacnaaa ctatttctgg 180
 attaaatatg tctgacttct tttgaggtca cacgactagg caaatgctat ttacgatctg 240
 caaaagctgt ttgaagagtc aaagcccca tgtgaacacg atttctggac cctgtaacag 300
 t 301

<210> 286
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 286
 taccactgca ttccagcctg ggtgacagag tgagactccg tctccaaaaa aaactttgct 60
 tgtatattat ttttgcccta cagtggatca ttctagtagg aaaggacagt aagatttttt 120
 atcaaaaatgt gtcattgccag taagagatgt tatattcttt tctcatttct tccccacca 180
 aaaataagct accatatagc ttataagtct caaatttttg ctttttacta aaatgtgatt 240
 gtttctgttc attgtgtatg cttcatcacc tatattaggc aaattccatt ttttcccttg 300
 t 301

<210> 287
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 287
 tacagatctg ggaactaaat attaaaaatg agtgtggctg gatatatgga gaatgttggg 60
 cccagaagga acgtagagat cagatattac aacagctttg ttttgagggg tagaaatatg 120
 aaatgatttg gttatgaacg cacagttagg gcagcagggc cagaatcctg accctctgcc 180
 ccgtgggttat ctctcccca gcttggctgc ctcatgttat cacagtattc cattttgttt 240
 gttgcatgtc ttgtgaagcc atcaagattt tctcgtctgt tttcctctca ttggtaatgc 300
 t 301

<210> 288
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 288
 gtacacctaa ctgcaaggac agctgaggaa tgtaatgggc agccgctttt aaagaagtag 60
 agtcaatagg aagacaaatt ccagttccag ctcatgtctg gtatctgcaa agctgcaaaa 120
 gatcttttaa gacaatttca agagaatatt tccttaaagt tggcaatttg gagatcatac 180
 aaaagcatct gcttttgtga tttaatttag ctcatctggc cactggaaga atccaaacag 240
 tctgccttaa ttttggtatg atgcatgatg gaaattcaat aatttagaaa gttaaaaaaa 300
 a 301

<210> 289
 <211> 301

<212> DNA
 <213> Homo sapien
 <220>
 <221> misc_feature
 <222> (1) ... (301)
 <223> n = A,T,C or G

<400> 289
 ggtacactgt ttccatgtta tgtttctaca cattgctacc tcagtgtccc tggaaactta 60
 gcttttgatg tctccaagta gtccaccttc atttaactct ttgaaactgt atcatctttg 120
 ccaagtaaga gtggtggcct atttcagctg ctttgacaaa atgactggct cctgacttaa 180
 cgttctataa atgaatgtgc tgaagcaaag tgcccatggg ggcggcgaan aagagaaaga 240
 tgtgttttgt tttggactct ctgtgggtccc ttccaatgct gtgggtttcc aaccagnnga 300
 a 301

<210> 290
 <211> 301
 <212> DNA
 <213> Homo sapien
 <220>
 <221> misc_feature
 <222> (1) ... (301)
 <223> n = A,T,C or G

<400> 290
 acactgagct cttcttgata aatatacaga atgcttggca tatacaagat tctatactac 60
 tgactgatct gttcatttct ctcacagctc ttacccccaa aagcttttcc accctaagtg 120
 ttctgacctc cttttctaata cacagtaggg atagaggcag anccacctac aatgaacatg 180
 gagttctatc aagaggcaga aacagcacag aatcccagtt ttaccattcg cttagcagtgc 240
 tgccctgaac aaaaacattt ctccatgtct cattttcttc atgcctcaag taacagtgcg 300
 a 301

<210> 291
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 291
 caggtaacaa tttcttctat cctagaaaca tttcatttta tggtgttgaa acataacaac 60
 tatatcagct agattttttt tctatgcttt acctgctatg gaaaatttga cacattctgc 120
 tttactcttt tgtttatagg tgaatcacia aatgtatttt tatgtattct gtagtccaat 180
 agccatggct gtttacttca tttaatttat ttagcataaa gacattatga aaaggcctaa 240
 acatgagctt cacttcccca ctaactaatt agcatctgtt atttcttaac cgtaatgcct 300
 a 301

<210> 292
 <211> 301
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature

<222> (1)...(301)

<223> n = A,T,C or G

<400> 292

```
accttttagt agtaatgtct aataataaat aagaaatcaa ttttataagg tccatatagc      60
tgtattaaat aatttttaag tttaaaagat aaaataccat catttttaat gttggtattc      120
aaaaccaaag natataaccg aaaggaaaaa cagatgagac ataaaatgat ttgcnagatg      180
ggaaatatag tasttyatga atgttnatta aattccagtt ataatagtgg ctacacactc      240
tcactacaca cacagacccc acagtcctat atgccacaaa cacatttcca taacttgaaa      300
a                                                                                   301
```

<210> 293

<211> 301

<212> DNA

<213> Homo sapien

<400> 293

```
ggtaccaagt gctgggtgcc gctgttacc tgttctcact gaaaagtctg gctaattgctc      60
ttgtgtagtc acttctgatt ctgacaatca atcaatcaat ggcctagagc actgactggt      120
aacacaaacg tcactagcaa agtagcaaca gctttaagtc taaatacaaaa gctgttctgt      180
gtgagaatatt tttaaaaggc tactttgtata ataacccttg tcatttttaa tgtacctcgg      240
ccgcgaccac gctaagccga attctgcaga tatccatcac actggcgggc gctcgagcat      300
g                                                                                   301
```

<210> 294

<211> 301

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(301)

<223> n = A,T,C or G

<400> 294

```
tgaccataaa caatatacac tagctatctt tttaaactgtc catcattagc accaatgaag      60
attcaataaaa attaccttta ttcacacatc tcaaaaacaat tctgcaaatt cttagtgaag      120
tttaactata gtcacaganc ttaaataatc acattgtttt ctatgtctac tgaaaataag      180
ttcactactt ttctgggata ttctttacaa aatcttatta aaattcctgg tattatcacc      240
ccaattata cagtagcaca accaccttat gtagttttta catgatagct ctgtagaggt      300
t                                                                                   301
```

<210> 295

<211> 305

<212> DNA

<213> Homo sapien

<400> 295

```
gtactctttc tctccctcc tctgaattta attctttcaa cttgcaattt gcaaggatta      60
cacatttcac tgtgatgtat attgtgttgc aaaaaaaaaa gtgtctttgt ttaaaattac      120
ttggtttggt aatccatctt gctttttccc cattggaact agtcattaac ccatctctga      180
actggtagaa aaacrtctga agagctagtc tatcagcatc tgacagggtga attggatggg      240
tctcagaacc atttcaccca gacagcctgt ttctatcctg ttttaataat tagtttgggt      300
tctct                                                                                   305
```

<210> 296
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 296
 aggtactatg ggaagctgct aaaataatat ttgatagtaa aagtatgtaa tgtgctatct 60
 cacctagtag taaactaaaa ataaactgaa actttatgga atctgaagtt attttccttg 120
 attaaataga attaataaac caatatgagg aaacatgaaa ccatgcaatc tactatcaac 180
 tttgaaaaag tgattgaacg aaccacttag ctttcagatg atgaacactg ataagtcatt 240
 tgtcattact ataaatttta aaatctgtta ataagatggc ctatagggag gaaaaagggg 300
 c 301

<210> 297
 <211> 300
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (300)
 <223> n = A,T,C or G

<400> 297
 actgagtttt aactggacgc caagcaggca aggctggaag gttttgctct ctttgtgcta 60
 aagggttttg aaaccttgaa ggagaatcat tttgacaaga agtacttaag agtctagaga 120
 acaaagangt gaaccagctg aaagctctcg ggggaanctt acatgtgttg ttaggcctgt 180
 tccatcattg ggagtgcact ggccatccct caaaatttgt ctgggctggc ctgagtggtc 240
 accgcacctc ggccgcgacc acgctaagcc gaattctgca gatatccatc aactggcg 300

<210> 298
 <211> 301
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (301)
 <223> n = A,T,C or G

<400> 298
 tatggggttt gtcacccaaa agctgatgct gagaaaggcc tccctggggc ccctcccgcg 60
 ggcattctgag agacctggtg ttccagtgtt tctggaaatg ggtcccagtg ccgcggctg 120
 tgaagctctc agatcaatca cgggaagggc ctggcggttg tggccacctg gaaccacct 180
 gtctgtctg tttacatttc actaycaggt tttctctggg cattacnatt tgttcccta 240
 caacagtgac ctgtgcattc tgetgtggcc tgetgtgtct gcaggtggct ctgagcgagg 300
 t 301

<210> 299
 <211> 301
 <212> DNA
 <213> Homo sapien

006230" GET 5960

<400> 299
 gttttgagac ggagtttcac tcttgttgcc cagactggac tgcaatggca gggctctctgc 60
 tcaactgcacc ctctgcctcc caggttcogag caattctcct gcctcagcct cccaggtagc 120
 tgggattgca ggctcacgcc accataccca gctaattttt ttgtattttt agtagagacg 180
 gagtttcgcc atgttggcca gctgggtctca aactcctgac ctcaagcgac ctgcctgcct 240
 cggcctccca aagtgcctgga attataggca tgagtcaaca cgcccagcct aaagatattt 300
 t 301

<210> 300
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 300
 attcagtttt atttgctgcc ccagtatctg taaccaggag tgccacaaaa tcttgccaga 60
 tatgtcccac acccactggg aaaggctccc acctggctac ttctctatc agctgggtca 120
 gctgcattcc acaaggttct cagcctaata agtttacta cctgccagtc tcaaaactta 180
 gtaaaagcaag accatgacat tccccacgg aaatcagagt ttgccccacc gtcttggttac 240
 tataaagcct gcctctaaca gtccttgctt cttcacacca atcccagagc catcccccat 300
 g 301

<210> 301
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 301
 ttaaatTTTT gagaggataa aaaggacaaa taatctagaa atgtgtcttc ttcagtctgc 60
 agaggacccc aggtctccaa gcaaccacat ggtcaagggc atgaataatt aaaagttggt 120
 gggaactcac aaagaccctc agagctgaga caccacaaac agtgggagct caciaagacc 180
 ctcaagagctg agacacccac aacagtggga gctcaciaag accctcagag ctgagacacc 240
 cacaacagca cctcggttcag ctgccacatg tgtgaataag gatgcaatgt ccagaagtgt 300
 t 301

<210> 302
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 302
 aggtacacat ttagcttggt gtaaattgact cacaaaactg attttaaaat caagttaatg 60
 tgaattttga aaattactac ttaattcctaa ttcacaataa caatggcatt aaggtttgac 120
 ttgagttggt tcttagtatt atttatggta aataggctct taccacttgc aaataactgg 180
 ccacatcatt aatgactgac ttcccagtaa ggctctctaa ggggtaagta ggaggatcca 240
 caggatttga gatgctaagg ccccagagat cgtttgatcc aacctcttta ttttcagagg 300
 g 301

<210> 303
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 303
 aggtaccaac tgtggaaata ggtagaggat cattttttct ttccatatca actaagttgt 60

006230 " 9627560

```

atattgtttt ttgacagttt aacacatctt cttctgtcag agattctttc acaatagcac      120
tggctaattg aactaccgct tgcattgttaa aaatggtggt ttgtgaaatg atcataggcc      180
agtaacgggt atgtttttct aactgatctt ttgtcgttcc caaagggacc tcaagacttc      240
catcgatttt atatctgggg tctagaaaag gagttaatct gttttccctc ataaattcac      300
c                                                                           301

```

```

<210> 304
<211> 301
<212> DNA
<213> Homo sapien

```

```

<400> 304
acatggatgt tattttgcag actgtcaacc tgaatttgta tttgcttgac attgcctaatt      60
tattagtttc agtttcagct taccactttt ttgtctgcaa catgcaraas agacagtgcc      120
cttttttagtg tatcatatca ggaatcatct cacattgggt ttgtgccatta ctgggtgcagt      180
gactttcagc cacttgggta aggtggagtt ggccatatgt ctccactgca aaattactga      240
ttttcctttt gtaattaata agtgtgtgtg tgaagattct ttgagatgag gtatatatct      300
c                                                                           301

```

```

<210> 305
<211> 301
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (301)
<223> n = A,T,C or G

```

```

<400> 305
gangtacagc gtgggtcaagg taacaagaag aaaaaaatgt gagtggcatc ctgggatgag      60
caggggggaca gacctggaca gacacgttgt catttgctgc tgtgggtagg aaaatgggag      120
taaaggagga gaaacagata caaatctcc aactcagtat taaggatttc tcatgcctag      180
aatattggta gaaacaagaa tacattcata tggcaaataa ctaaccatgg tgggaacaaaa      240
ttctgggatt taagttggat accaangaaa ttgtattaaa agagctgttc atggaataag      300
a                                                                           301

```

```

<210> 306
<211> 8
<212> PRT
<213> Homo sapien

```

```

<400> 306
Val Leu Gly Trp Val Ala Glu Leu
1                               5

```

```

<210> 307
<211> 637
<212> DNA
<213> Homo sapien

```

```

<400> 307
acagggratg aagggaagg gagaggatga ggaagccccc ctggggattt ggtttgggtcc      60
ttgtgatcag gtggtctatg gggcttatcc ctacaaagaa gaatccagaa ataggggcac      120

```

00654236.082900

<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(718)
<223> n = A,T,C or G

<400> 313
ggagatttgt gtgggtttgca gccgagggag accaggaaga tctgcatggt gggaaggacc 60
tgatgataca gaggtgagaa ataagaaagg ctgctgactt taccatctga ggccacacat 120
ctgctgaaat ggagataatt aacatcacta gaaacagcaa gatgacaata taatgtctaa 180
gtagtacat gtttttgcac atttccagcc ctttttaaata tccacacaca caggaagcac 240
aaaaggaagc acagagatcc ctgggagaaa tgcccggccg ccatcttggg tcatcgatga 300
gcctcgccct gtgcctgntc ccgcttgtga gggaaggaca ttagaaaatg aattgatgtg 360
ttccttaaag gatggcagga aaacagatcc tgttgtggat atttatttga acgggattac 420
agatttgaag tgaagtcaca aagtgcagc taccaatgag aggaaaacag acgagaaaat 480
cttgatgggt cacaagacat gcaacaaaca aaatggaata ctgtgatgac acgagcagcc 540
aactggggag gagataccac ggggcagagg tcaggattct ggccctgctg cctaactgtg 600
cgttatacca atcatttcta tttctaccct caaacaagct gtngaataatc tgacttacgg 660
ttcttntggc ccacattttc atnatccacc centcntttt aannttantic caaantgt 718

<210> 314
<211> 358
<212> DNA
<213> Homo sapien

<400> 314
gtttattttac attacagaaa aaacatcaag acaatgtata ctatttcaaa tatatccata 60
cataatcaaa tatagctgta gtacatgttt tcattgggtg agattaccac aaatgcaagg 120
caacatgtgt agatctcttg tcttattctt ttgtctataa tactgtattg tgtagtccaa 180
gctctcggtg gtccagccac tgtgaaacat gctcccttta gattaacctc gtggacgctc 240
ttgttgattt gctgaactgt agtgccctgt attttgcctt tgtctgtgaa ttctgttgct 300
tctggggcat ttccttgtga tgcagaggac caccacacag atgacagcaa tctgaatt 358

<210> 315
<211> 341
<212> DNA
<213> Homo sapien

<400> 315
taccacctcc ccgctggcac tgatgagccg catcaccatg gtcaccagca ccatgaaggc 60
ataggatgat atgaggacat ggaatgggcc cccaaggatg gtctgtccaa agaagcgagt 120
gacccccatt ctgaagatgt ctggaacctc taccagcagg atgatgatag cccaatgac 180
agtcaccagc tccccgacca gccggatata gtccttaggg gtcattgtag cttcctgaag 240
tagcttctgc tgtaagaggg tgttgcccg ggggctcgtg cggttatttg tcctgggctt 300
gagggggcgg tagatgcagc acatggtgaa gcagatgatg t 341

<210> 316
<211> 151
<212> DNA
<213> Homo sapien

<400> 316

agactgggca agactcttac gccccacact gcaatttggt cttgttgccg tatccattta 60
 tgtgggcctt tctcgagttt ctgattataa acaccactgg agcgatgtgt tgactggact 120
 cattcaggga gctctggttg caatattagt t 151

<210> 317
 <211> 151
 <212> DNA
 <213> Homo sapien

<400> 317
 agaactagt gatacctaag aaatacctga aacatatatt ggcatttatc aatggctcaa 60
 atcttcattt atctctggcc ttaacctggg ctctgaggc tgcggccagc agatcccagg 120
 ccagggtctt gttcttgcca cacctgcttg a 151

<210> 318
 <211> 151
 <212> DNA
 <213> Homo sapien

<400> 318
 actggtggga ggcgctgttt agttggctgt tttcagaggg gtctttcgga gggacctcct 60
 gctgcaggct ggagtgtctt tattcctggc gggagaccgc acattccact gctgaggctg 120
 tgggggctgt ttatcaggca gtgataaaca t 151

<210> 319
 <211> 151
 <212> DNA
 <213> Homo sapien

<400> 319
 aactagtga tccagagcta taggtacagt gtgatctcag ctttgcaaac acattttcta 60
 catagatagt actaggtatt aatagatatg taaagaaaga aatcacacca ttaataatgg 120
 taagattggg tttatgtgat tttagtgggt a 151

<210> 320
 <211> 150
 <212> DNA
 <213> Homo sapien

<400> 320
 aactagtga tccactagtc cagtgtggtg gaattccatt gtgttggggg tctagatcgc 60
 gagcggctgc cctttttttt tttttttttg ggggggaatt tttttttttt aatagttatt 120
 gagtgttcta cagcttacag taaataccat 150

<210> 321
 <211> 151
 <212> DNA
 <213> Homo sapien

<400> 321
 agcaactttg tttttcatcc aggttatatt aggcttagga tttcctctca cactgcagtt 60
 taggggtggca ttgtaaccag ctatggcata ggtgttaacc aaaggctgag taaacatggg 120
 tgcctctgag aaatcaaagt cttcatacac t 151

<210> 322
 <211> 151
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(151)
 <223> n = A,T,C or G

<400> 322
 atccagcattc ttctcctggt tcttgccctc ctttttcttc ttcttasatt ctgcttgagg 60
 tttgggcttg gtcagtttgc cacagggctt ggagatgggt acagtcttct ggcattcggc 120
 attgtgcagg gctcgttcca nacttccagt t 151

<210> 323
 <211> 151
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(151)
 <223> n = A,T,C or G

<400> 323
 tgaggacttg tktctttttt ctttattttt aatcctctta ckttgtaaatt atattgccta 60
 nagactcant tactaccag tttgtgggtt twtgggagaa atgtaactgg acagttagct 120
 gttcaatyaa aaagacactt ancccatgtg g 151

<210> 324
 <211> 461
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(461)
 <223> n = A,T,C or G

<400> 324
 acctgtgtgg aatttcagct ttctcatgc aaaaggattt tgtatccccg gcttacttga 60
 agaagtgggc agctaaagga atccagggtt ttgggtggac tgtaataacc tttgatgaaa 120
 agagttacta cgaatcccat cttgggtcca gctatatcac tgacagcatg gtagaagact 180
 gcgaacctca cttctagact ttacgggtgg gacgaaacgg gttcagaaac tgccaggggc 240
 ctcatcacgg gatatacaaa taccctttgt gctaccaggg ccttggggaa tcaggtgact 300
 cacacaaatg caatagttgg tcaactgcatt tttacctgaa ccaaagctaa acccgggtgt 360
 gccaccatgc accatggcat gccagagttc aacactgttg ctcttgaaaa ttgggtctga 420
 aaaaacgcac aagagcccct gccctgccct agctgangca c 461

<210> 325
 <211> 400
 <212> DNA
 <213> Homo sapien

<400> 325

acactgtttc	catgttatgt	ttctacacat	tgctacctca	gtgctcctgg	aaacttagct	60
tttgatgtct	ccaagtagtc	caccttcatt	taactctttg	aaactgtatc	atctttgcca	120
agtaagagtg	gtggcctatt	tcagctgctt	tgacaaaatg	actggctcct	gacttaacgt	180
tctataaatg	aatgtgctga	agcaaagtgc	ccatggtggc	ggcgaagaag	agaaaagatgt	240
gttttgtttt	ggactctctg	tggccccctc	caatgctgtg	ggtttccaac	caggggaagg	300
gtcccttttg	cattgccaag	tgccataacc	atgagcacta	cgctaccatg	gttctgcctc	360
ctggccaagc	aggctggttt	gcaagaatga	aatgaatgat			400

<210> 326

<211> 1215

<212> DNA

<213> Homo sapien

<400> 326

ggaggactgc	agcccgact	cgcagccctg	gcaggcgcca	ctggtcatgg	aaaacgaatt	60
gttctgctcg	ggcgtcctgg	tgcattccgca	gtgggtgctg	tcagccgcac	actgtttcca	120
gaactcctac	accatcgggc	tgggcctgca	cagtcttgag	gccgaccaag	agccagggag	180
ccagatggtg	gaggccagcc	tctccgtacg	gcacccagag	tacaacagac	ccttgctcgc	240
taacgacctc	atgctcatca	agttggacga	atccgtgtcc	gagtctgaca	ccatccggag	300
catcagcatt	gcttcgcagt	gccctaccgc	ggggaactct	tgctcgttt	ctggctgggg	360
tctgtggcg	aacggcagaa	tgctaccgt	gctgcagtgc	gtgaacgtgt	cggtggtgtc	420
tgaggaggtc	tgagtaagc	tctatgaccc	gctgtaccac	cccagcatgt	tctgcgcggg	480
cggagggcaa	gaccagaagg	actcctgcaa	cggtgactct	ggggggcccc	tgatctgcaa	540
cgggtacttg	cagggccttg	tgtctttcgg	aaaagccccg	tgtggccaag	ttggcgtgcc	600
agggtgtctac	accaacctct	gcaaattcac	tgagtggata	gagaaaaccg	tccaggccag	660
ttaactctgg	ggactgggaa	cccatgaaat	tgaccccaaa	atacatcctg	cggaaggaat	720
tcaggaatat	ctgttcccag	cccctcctcc	ctcaggccca	ggagtccagg	ccccagccc	780
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<211> 220

<212> PRT

<213> Homo sapien

<400> 327

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Leu	His	Ser	Leu	Glu	Ala	Asp	Gln	Glu	Pro	Gly	Ser	Gln	Met	Val	Glu
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Ala	Ser	Leu	Ser	Val	Arg	His	Pro	Glu	Tyr	Asn	Arg	Pro	Leu	Leu	Ala
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 Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala Gly Asn
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 Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Gly Arg Met Pro
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 Ser Lys Leu Tyr Asp Pro Leu Tyr His Pro Ser Met Phe Cys Ala Gly
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 Gly Gly Gln Asp Gln Lys Asp Ser Cys Asn Gly Asp Ser Gly Gly Pro
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<211> 234

<212> DNA

<213> Homo sapien

<400> 328

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<211> 77

<212> PRT

<213> Homo sapien

<400> 329

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Phe Cys Ser Gly Val Leu Val His Pro Gln Trp Val Leu Ser Ala Thr
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His Cys Phe Gln Asn Ser Tyr Thr Ile Gly Leu Gly Leu His Ser Leu
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<211> 70

<212> DNA

<213> Homo sapien

<400> 330

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<211> 3030

<212> DNA

<213> Homo sapien

<400> 333

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<211> 2417

<212> DNA

<213> Homo sapien

<400> 334

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 <213> Homo sapien

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agaagggcca	gcttactgtt	ggtggcaaaa	ttgccaacat	aagttaatag	aaagttggcc	2340
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ctgacaccga	cggagtgact	agccagcaca	aaaggcaggg	tagcctgaat	tgctttctgc	2460
tctttacatt	tcttttaaaa	taagcattta	gtgctcagtc	cctactgagt	actctttctc	2520


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tccccctctc tgaatttaat tctttcaact tgcaatttgc aaggattaca catttcactg 2580
tgatgtatat tgtgttgcaa aaaaaaaaaa aagtgtcttt gtttaaaatt acttggtttg 2640
tgaatccatc ttgctttttc cccattggaa ctagtcatta acccatctct gaactggtag 2700
aaaaacatct gaagagctag tctatcagca tctgacaggt gaattggatg gttctcagaa 2760
ccatttcacc cagacagcct gtttctatcc tgtttaataa attagtttgg gttctctaca 2820
tgcataacaa accctgctcc aatctgtcac ataaaagtct gtgacttgaa gtttagtcag 2880
cacccccacc aaactttatt tttctatgtg ttttttgcaa catatgagtg ttttgaaaat 2940
aaagtaccca tgtctttatt agaaaaaaaa aaaaaaaaaa aaaa 2984

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<210> 336
<211> 147
<212> PRT
<213> Homo sapien

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<400> 336
Pro Ser Phe Pro Thr Leu Leu Ser Arg Arg His Leu Gly Ser Tyr Leu
 1          5          10          15
Leu Asp Ser Glu Asn Thr Ser Gly Ala Leu Pro Arg Leu Pro Gln Thr
          20          25          30
Pro Lys Gln Pro Gln Lys Arg Ser Arg Ala Ala Phe Ser His Thr Gln
          35          40          45
Val Ile Glu Leu Glu Arg Lys Phe Ser His Gln Lys Tyr Leu Ser Ala
          50          55          60
Pro Glu Arg Ala His Leu Ala Lys Asn Leu Lys Leu Thr Glu Thr Gln
65          70          75          80
Val Lys Ile Trp Phe Gln Asn Arg Arg Tyr Lys Thr Lys Arg Lys Gln
          85          90          95
Leu Ser Ser Glu Leu Gly Asp Leu Glu Lys His Ser Ser Leu Pro Ala
          100          105          110
Leu Lys Glu Glu Ala Phe Ser Arg Ala Ser Leu Val Ser Val Tyr Asn
          115          120          125
Ser Tyr Pro Tyr Tyr Pro Tyr Leu Tyr Cys Val Gly Ser Trp Ser Pro
          130          135          140
Ala Phe Trp
145

```

```

<210> 337
<211> 9
<212> PRT
<213> Homo sapien

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<400> 337
Ala Leu Thr Gly Phe Thr Phe Ser Ala
 1          5

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<210> 338
<211> 9
<212> PRT
<213> Homo sapien

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```

<400> 338
Leu Leu Ala Asn Asp Leu Met Leu Ile
 1          5

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006230" GET 5950

<210> 339
 <211> 318
 <212> PRT
 <213> Homo sapien

<400> 339
 Met Val Glu Leu Met Phe Pro Leu Leu Leu Leu Leu Leu Pro Phe Leu
 1 5 10 15
 Leu Tyr Met Ala Pro Gln Ile Arg Lys Met Leu Ser Ser Gly Val
 20 25 30
 Cys Thr Ser Thr Val Gln Leu Pro Gly Lys Val Val Val Val Thr Gly
 35 40 45
 Ala Asn Thr Gly Ile Gly Lys Glu Thr Ala Lys Glu Leu Ala Gln Arg
 50 55 60
 Gly Ala Arg Val Tyr Leu Ala Cys Arg Asp Val Glu Lys Gly Glu Leu
 65 70 75 80
 Val Ala Lys Glu Ile Gln Thr Thr Thr Gly Asn Gln Gln Val Leu Val
 85 90 95
 Arg Lys Leu Asp Leu Ser Asp Thr Lys Ser Ile Arg Ala Phe Ala Lys
 100 105 110
 Gly Phe Leu Ala Glu Glu Lys His Leu His Val Leu Ile Asn Asn Ala
 115 120 125
 Gly Val Met Met Cys Pro Tyr Ser Lys Thr Ala Asp Gly Phe Glu Met
 130 135 140
 His Ile Gly Val Asn His Leu Gly His Phe Leu Leu Thr His Leu Leu
 145 150 155 160
 Leu Glu Lys Leu Lys Glu Ser Ala Pro Ser Arg Ile Val Asn Val Ser
 165 170 175
 Ser Leu Ala His His Leu Gly Arg Ile His Phe His Asn Leu Gln Gly
 180 185 190
 Glu Lys Phe Tyr Asn Ala Gly Leu Ala Tyr Cys His Ser Lys Leu Ala
 195 200 205
 Asn Ile Leu Phe Thr Gln Glu Leu Ala Arg Arg Leu Lys Gly Ser Gly
 210 215 220
 Val Thr Thr Tyr Ser Val His Pro Gly Thr Val Gln Ser Glu Leu Val
 225 230 235 240
 Arg His Ser Ser Phe Met Arg Trp Met Trp Trp Leu Phe Ser Phe Phe
 245 250 255
 Ile Lys Thr Pro Gln Gln Gly Ala Gln Thr Ser Leu His Cys Ala Leu
 260 265 270
 Thr Glu Gly Leu Glu Ile Leu Ser Gly Asn His Phe Ser Asp Cys His
 275 280 285
 Val Ala Trp Val Ser Ala Gln Ala Arg Asn Glu Thr Ile Ala Arg Arg
 290 295 300
 Leu Trp Asp Val Ser Cys Asp Leu Leu Gly Leu Pro Ile Asp
 305 310 315

<210> 340
 <211> 483
 <212> DNA
 <213> Homo sapien

<400> 340

0055290" 0055290"

gcccaggtct gccttcacac ggaggacacg agactgcttc ctcaagggct cctgcctgcc 60
 tggacactgg tgggaggcgc tgtttagtgt gctgttttca gaggggtctt tcggaggggac 120
 ctctgtctgc aggctggagt gtctttattc ctggcgggag accgcacatt ccactgctga 180
 ggttgtgggg gcggtttatc aggcagtgat aaacataaga tgtcatttcc ttgactccgg 240
 ccttcaattt tctctttggc tgacgacgga gtccgtgggtg tcccgatgta actgaccctt 300
 gctccaaacg tgacatcact gatgctcttc tcgggggtgc tgatggcccg cttgggtcacg 360
 tgctcaatct cgccattoga ctcttgctcc aaactgtatg aagacacctg actgcacggt 420
 ttttctgggc ttccagaatt taaagtgaag ggcagcactc ctaagctccg actccgatgc 480
 ctg 483

<210> 341

<211> 344

<212> DNA

<213> Homo sapien

<400> 341

ctgctgctga gtcacagatt tcattataaa tagcctccct aaggaaaata cactgaatgc 60
 tatttttact aaccattcta tttttataga aatagctgag agtttctaaa ccaactctct 120
 gctgccttac aagtattaaa tattttactt ctttccataa agagtagctc aaaatatgca 180
 attaatttaa taatttctga tgatgggttt atctgcagta atatgtatat catctattag 240
 aatttactta atgaaaaact gaagagaaca aaatttgtaa ccactagcac ttaagtactc 300
 ctgattctta acattgtctt taatgaccac aagacaacca acag 344

<210> 342

<211> 592

<212> DNA

<213> Homo sapien

<400> 342

acagcaaaaa agaaactgag aagcccaaty tgctttcttg ttaacatcca cttatccaac 60
 caatgtggaa acttcttata cttggttcca ttatgaagtt ggacaattgc tgctatcaca 120
 cctggcaggt aaaccaatgc caagagagtg atggaaacca ttggcaagac tttgttgatg 180
 accaggattg gaattttata aaaatattgt tgatgggaag ttgctaaagg gtgaattact 240
 tccctcagaa gagtgtaaag aaaagtcaga gatgctataa tagcagctat ttaattggc 300
 aagtgccact gtggaaagag ttctgtgtg tgctgaagtt ctgaagggca gtcaaattca 360
 tcagcatggg ctgtttgggt caaatgcaaa agcacagggtc tttttagcat gctgggtctct 420
 cccgtgtcct tatgcaata atcgtcttct tctaaatttc tcttaggctt cattttccaa 480
 agttcttctt ggtttgtgat gtcttttctg ctttccatta attctataaa atagtatggc 540
 ttcagccacc cactcttcgc cttagcttga ccgtgagttc cggctgccgc tg 592

<210> 343

<211> 382

<212> DNA

<213> Homo sapien

<400> 343

ttcttgacct cctctctctt caagctcaaa caccacctcc cttattcagg accggcactt 60
 cttaatgttt gtggctttct ctccagctc tcttaggagg ggtaatggtg gagttggcat 120
 cttgtaactc tctttctctc tttcttcccc tttctctgcc cgcttttccc atcctgctgt 180
 agacttcttg attgtcagtc tgtgtcacat ccagtgattg ttttggttcc tgttcccttt 240
 ctgactgcc aagggggtca gaacccagc aatcccttcc tttcactacc ttcttttttg 300
 ggggtagttg gaagggactg aaattgtggg ggggaaggtag gaggcacatc aataaagagg 360
 aaaccaccaa gctgaaaaaa aa 382

<210> 344
 <211> 536
 <212> DNA
 <213> Homo sapien

<400> 344
 ctgggcctga agctgtaggg taaatcagag gcaggcttct gagtgatgag agtcctgaga 60
 caataggcca cataaacttg gctggatgga acctcacaat aagggtggtca cctcttgttt 120
 gtttaggggg atgccaagga taaggccagc tcagttatat gaagagaagc agaacaaaca 180
 agtctttcag agaaatggat gcaatcagag tgggatcccg gtcacatcaa ggtcacactc 240
 caccttcatg tgccctgaatg gttgccaggc cagaaaaatc cacccttac gagtgcggt 300
 tcgaccttat atcccccgcc cgcgctccctt tctccataaa attcttctta gtagctatta 360
 ccttcttatt atttgatcta gaaattgcc tctttttacc cctaccatga gccctacaaa 420
 caactaacct gccactaata gttatgtcat cctctttatt aatcatcatc ctagecctaa 480
 gtctggccta tgagtgacta caaaaaggat tagactgagc cgaataacaa aaaaaa 536

<210> 345
 <211> 251
 <212> DNA
 <213> Homo sapien

<400> 345
 accttttgag gtctctctca ccacctccac agccaccgtc accgtgggat gtgctggatg 60
 tgaatgaagc ccccatcttt gtgcctcctg aaaagagagt ggaagtgtcc gaggactttg 120
 gcgtgggcca ggaaatcaca tctacactg cccaggagcc agacacattt atggaacaga 180
 aaataacata tcggatttgg agagacactg ccaactggct ggagattaat ccggacactg 240
 gtgccatttc c 251

<210> 346
 <211> 282
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (282)
 <223> n = A,T,C or G

<400> 346
 cgcgctctctg acactgtgat catgacaggg gttcaaacag aaagtgcctg ggccctcctt 60
 ctaagtcttg ttaccaaaaa aaggaaaaag aaaagatctt ctcaattaca aattctggga 120
 agggagacta tacctggctc ttgccctaag tgagaggtct tccctccgc accaaaaaat 180
 agaaaggctt tctatttcac tggcccagggt agggggaagg agagtaactt tgagtctgtg 240
 ggtctcattt cccaagggtgc cttcaatgct catnaaaacc aa 282

<210> 347
 <211> 201
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (201)
 <223> n = A,T,C or G

<400> 347
acacacataa tattataaaa tgccatctaa ttggaaggag ctttctatca ttgcaagtca 60
taaataaac ttttaaaana ntactancag cttttaccta ngctcctaaa tgcttgtaaa 120
tctgagactg actggaccca cccagaccca gggcaaagat acatgttacc atatcatctt 180
tataaagaat ttttttttgt c 201

<210> 348
<211> 251
<212> DNA
<213> Homo sapien

<400> 348
ctgttaatca caacatttgt gcatcacttg tgccaagtga gaaaatgttc taaaatcaca 60
agagagaaca gtgccagaat gaaactgacc ctaagtccca ggtgcccctg ggcaggcaga 120
aggagacact cccagcatgg aggagggttt atcttttcat cctaggtcag gtctacaatg 180
ggggaagggt ttattataga actcccaaca gccacactca ctctgcccac ccaccgatg 240
gccctgcctc c 251

<210> 349
<211> 251
<212> DNA
<213> Homo sapien

<400> 349
taaaaatcaa gccatttaat tgtatctttg aaggtaaaca atatatggga gctggatcac 60
aaccctgag gatgccagag ctatgggtcc agaacatggt gtggtattat caacagagtt 120
cagaagggtc tgaactctac gtgttaaccag agaacataat gcaattcatg cattccactt 180
agcaattttg taaaatacca gaaacagacc ccaagagtct ttcaagatga ggaaaattca 240
actcctgggt t 251

<210> 350
<211> 908
<212> DNA
<213> Homo sapien

<400> 350
ctggacactt tgcgagggct tttgctggct gctgctgctg cccgtcatgc tactcatcgt 60
agcccgcgcg gtgaagctcg ctgctttccc tacctcctta agtgactgcc aaacgcccac 120
cggctggaat tgctctgggt atgatgacag agaaaatgat ctcttccctc gtgacaccaa 180
cacctgtaaa tttgatgggg aatgtttaag aattggagac actgtgactt gcgtctgtca 240
gttcaagtgc aacaatgact atgtgctgt gtgtggctcc aatggggaga gctaccagaa 300
tgagtgttac ctgcgacagg ctgcatgcaa acagcagagt gagatacttg tgggtgtcaga 360
aggatcatgt gccacagtcc atgaaggctc tggagaaact agtcaaaagg agacatccac 420
ctgtgatatt tgccagtttg gtgcagaatg tgacgaagat gccgaggatg tctggtgtgt 480
gtgtaatat gactgttctc aaaccaactt caatccctc tgcgcttctg atgggaaatc 540
ttatgataat gcatgccaaa tcaaagaagc atcgtgtcag aaacaggaga aaattgaagt 600
catgtctttg ggtcgatgtc aagataaac aactacaact actaagtctg aagatgggca 660
ttatgcaaga acagattatg cagagaatgc taacaaatta gaagaaagtg ccagagaaca 720
ccacatacct tgtccggaac attacaatgg cttctgcatg catgggaagt gtgagcattc 780
tatcaatatg caggagccat cttgcagggt tgatgctgggt tatactggac aacactgtga 840
aaaaaaggac tacagtgttc tatacgttgt tcccggctct gtacgatttc agtatgtctt 900
aatgcgag 908

<210> 351
 <211> 472
 <212> DNA
 <213> Homo sapien

<400> 351
 ccagttatatt gcaagtggta agagcctatt taccataaat aatactaaga accaaactcaa 60
 gtcaaacctt aatgccattg ttattgtgaa ttaggattaa gtagtaattt tcaaaattca 120
 cattaacttg attttaaaat cagwtttggy agtcatttac cacaagctaa atgtgtacac 180
 tatgataaaa acaaccattg tattcctgtt tttctaaaca gtctaattt ctaacactgt 240
 atatatcctt cgacatcaat gaactttgtt ttcttttact ccagtaataa agtaggcaca 300
 gatctgtcca caacaaactt gccctctcat gccttgccctc tcaccatgct ctgctccagg 360
 tcagcccccct tttggcctgt ttgttttgtc aaaaacctaa tctgcttctt gcttttcttg 420
 gtaatatata tttaggggaag atgttgcttt gccacacacac gaagcaaagt aa 472

<210> 352
 <211> 251
 <212> DNA
 <213> Homo sapien

<400> 352
 ctcaaagcta atctctcggg aatcaaacca gaaaagggca aggatcttag gcatgggtgga 60
 tgtggataag gccagggtcaa tggctgcaag catgcagaga aagagggtaca tcggagcgtg 120
 caggtgcgt tccgtcctta cgatgaagac cagcatgcag tttccaaaca ttgccactac 180
 atacatggaa aggaggggga agccaaccca gaaatgggct ttctctaate ctgggataacc 240
 aataagcaca a 251

<210> 353
 <211> 436
 <212> DNA
 <213> Homo sapien

<400> 353
 tttttttttt tttttttttt tttttttaca caatgcagtc atttatttat tgagtatgtg 60
 cacattatgg tattattact atactgatta tttttatcat gtgacttcta attaraaaat 120
 gtatccaaaa gcaaaacagc agatatacaa aattaaagag acagaagata gacattaaca 180
 gataaggcaa cttatacatt gacaatccaa atccaatata tttaaacatt tgggaaatga 240
 gggggacaaa tggaagccar atcaaatttg tgtaaaacta ttcagtatgt ttcccttgc 300
 tcatgtctga raaggctctc ccttcaatgg ggatgacaaa ctccaaatgc cacacaaatg 360
 ttaacagaat actagattca cactggaacg ggggtaaaga agaaattatt ttctataaaa 420
 gggctcctaa tgtagt 436

<210> 354
 <211> 854
 <212> DNA
 <213> Homo sapien

<400> 354
 ccttttctag ttcaccagtt ttctgcaagg atgctgggtta gggagtgtct gcaggaggag 60
 caagtctgaa accaaatcta ggaaacatag gaaacgagcc aggcacaggg ctggtggggc 120
 atcagggacc accctttggg ttgatatttt gcttaatctg catcttttga gtaagatcat 180
 ctggcagtag aagctgttct ccagggtacat ttctctagct catgtacaaa aacatcctga 240
 aggactttgt caggtgcctt gctaaaagcc agatgcgttc ggcacttctt tggctctgagg 300
 ttaattgcac acctacaggc actgggctca tgctttcaag tattttgtcc tcactttagg 360

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gtgagtgaag gatccccatt ataggagcac ttgggagaga tcatataaaa gctgactctt 420
gagtacatgc agtaatgggg tagatgtgtg tgggtgtgtc tcattcctgc aagggtgctt 480
gttagggagt gtttccagga ggaacaagtc tgaaccaat catgaaataa atggtaggtg 540
tgaactggaa aactaattca aaagagagat cgtgatatca gtgtgggtga tacaccttgg 600
caatatggaa ggctctaatt tgcccatatt tgaataata attcagcttt ttgtaataca 660
aaataacaaa ggattgagaa tcatgggtgc taatgtataa aagaccaggg aaacataaat 720
atatcaactg cataaatgta aaatgcatgt gacccaagaa ggcccaaggg tggcagacaa 780
cattgtaccc attttccctt ccaaaatgtg agcggcgggc ctgctgcttt caaggctgtc 840
acacgggatg tcag 854

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<210> 355

<211> 676

<212> DNA

<213> Homo sapien

<400> 355

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gaaattaagt atgagctaaa ttccctgtta aaacctctag gggtgacaga tctcttcaac 60
caggtcaaaag ctgactcttc tggaatgtca ccaaccaagg gcctatatatt atcaaaagcc 120
atccacaagt catacctgga tgcagcgaa gagggcacgg aggcagcagc agccactggg 180
gacagcatcg ctgtaaaaag cctaccaatg agagctcagt tcaaggcgaa ccacctctt 240
ctgttcttta taaggcacac tcataccaac acgatcctat tctgtggcaa gcttgcctct 300
ccctaatacg atgggggtga gtaaggctca gagttgcaga tgagggtgcag agacaatcct 360
gtgactttcc cacggccaaa aagctgttca cacctcacgc acctctgtgc ctgagtttgc 420
tcatctgcaa aataggtcta ggatttcttc caaccatttc atgagttgtg aagctaaggc 480
tttgtttaatc atggaaaaag gtagacttat gcagaaagcc tttctggctt tcttatctgt 540
gggtgtctcat ttgagtgtcg tccagtgcac tgatcaagtc aatgagtaaa attttaaggg 600
attagatttt ctgactttgt atgtatctgt gagatcttga ataagtgcac tgacatctct 660
gcttaaagaa aaccag 676

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<210> 356

<211> 574

<212> DNA

<213> Homo sapien

<400> 356

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tttttttttt tttttcagga aaacattctc ttactttatt tgcattctcag caaagggttct 60
catgtggcac ctgactggca tcaaaccaaa gttcgttaggc caacaaagat gggccactca 120
caagcttccc atttgtagat ctgagtgcct atgagtatct gacacctgtt cctctcttca 180
gtctcttagg gaggtttaa tctgtctcag gtgtgctaag agtgccagcc caaggkggtc 240
aaaagtccac aaaactgcag tctttgctgg gatagtaagc caagcagtgc ctggacagca 300
gagttctttt cttgggcaac agataaccag acaggactct aatcgtgctc ttattcaaca 360
ttcttctgtc tctgcctaga ctggaataaa aagccaatct ctctcgtggc acaggaagg 420
agatacaagc tcgtttacat gtgatagatc taacaaaggc atctaccgaa gtctgggtctg 480
gatagacggc acagggagct cttaggtcag cgctgctggg tggaggacat tcctgagtc 540
agctttgcag cctttgtgca acagtacttt ccca 574

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<210> 357

<211> 393

<212> DNA

<213> Homo sapien

<400> 357

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tttttttttt tttttttttt tttttttttt tacagaatat aratgcttta tcaactgkact 60
taatattgkg kcttgttcac tatacttaaa aatgcaccac tcataaatat ttaattcagc 120

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aagccacaac	caaracttga	ttttatcaac	aaaaaccct	aatataaac	ggsaaaaaag	180
atagatataa	ttattccagt	ttttttaaaa	cttaaaarat	attccattgc	cgaattaara	240
araarataag	tgttatatgg	aaagaagggc	attcaagcac	actaaaraaa	cctgaggkaa	300
gcataatctg	tacaaaatta	aactgtcctt	tttggcattt	taacaaattt	gcaacgktct	360
tttttttctt	tttctgtttt	tttttttttt	tac			393

<210> 358
 <211> 630
 <212> DNA
 <213> Homo sapien

<400> 358						
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ttaatgttta	taggaaaatg	atgagtttat	gacaaaggaa	gtagatagtg	ttttacaaga	120
gcatagagta	gggaagctaa	tccagcacag	ggaggtcaca	gagacatccc	taagggaagt	180
gagtttaaac	tgagagaagc	aagtgcctta	actgaaggat	gtgttgaaga	agaagggaga	240
gtagaacaat	ttgggcagag	ggaaccttat	agaccctaag	gtgggaaggt	tcaaagaact	300
gaaagagagc	tagaacagct	ggagccgttc	tccggtgtaa	agaggagtca	aagagataag	360
attaaagatg	tgaagattaa	gatcttggtg	gcattcaggg	attggcactt	ctacaagaaa	420
tcactgaagg	gagtaatgtg	acattacttt	tcacttcagg	atggccattc	taactccagg	480
gggtagactg	gactaggtaa	gactggaggc	aggtagacct	cttctaaggc	ctgcgatagt	540
gaaagacaaa	aataagtggg	gaaattcagg	ggatagttaa	aatcagtagg	acttaatgag	600
caagccagag	gttcctccac	aacaaccagt				630

<210> 359
 <211> 620
 <212> DNA
 <213> Homo sapien

<400> 359						
acagcattcc	aaaatataca	tctagagact	aarrgtaaat	gctctatagt	gaagaagtaa	60
taattaaaaa	atgctactaa	tatagaaaat	ttataatcag	aaaaataaat	attcagggag	120
ctcaccagaa	gaataaagt	ctctgccagt	tattaaagga	ttactgctgg	tgaattaaat	180
atggcattcc	ccaagggaaa	tagagagatt	cttctggatt	atgttcaata	tttatttcac	240
aggattaact	gttttaggaa	cagatataaa	gcttcgccac	ggaagagatg	gacaaagcac	300
aaagacaaca	tgatacctta	ggaagcaaca	ctaccctttc	aggcataaaa	tttggagaaa	360
tgcaacatta	tgttcatga	ataatatgta	gaaagaaggt	ctgatgaaaa	tgacatcctt	420
aatgtaagat	aactttataa	gaattctggg	tcaaataaaa	ttctttgaag	aaaacatcca	480
aatgtcattg	acttatcaaa	tactatcttg	gcataatacc	tatgaaggca	aaactaaaca	540
aacaaaaagc	tcacaccaaa	caaaaccatc	aacttatttt	gtattctata	acatacgaga	600
ctgtaaagat	gtgacagtgt					620

<210> 360
 <211> 431
 <212> DNA
 <213> Homo sapien

<400> 360						
aaaaaaaaaa	agccagaaca	acatgtgata	gataatatga	ttggctgcac	acttccagac	60
tgatgaatga	tgaacgtgat	ggactattgt	atggagcaca	tcttcagcaa	gagggggaaa	120
tactcatcat	ttttggccag	cagttgtttg	atcaccaaac	atcatgccag	aatactcagc	180
aaaccttctt	agctcttgag	aagtcaaagt	ccgggggaat	ttattcctgg	caattttaat	240
tggactcctt	atgtgagagc	agcggctacc	cagctggggg	ggtggagcga	acccgtcact	300
agtggacatg	cagtggcaga	gctcctggta	accacctaga	ggaatacaca	ggcacatgtg	360

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<210> 361
<211> 351
<212> DNA
<213> Homo sapien

<400> 361
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ttgacttcct cccgggcttt cccgagggtc tcaccgtgag cctgcgggcc ctgagggtg 240
caatcctgga ttcaatgtct gaaacctcgc tctctgcctg ctggacttct gagggcgtca 300
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<211> 463
<212> DNA
<213> Homo sapien

<400> 362
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<210> 363
<211> 653
<212> DNA
<213> Homo sapien
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<220>
<221> misc_feature
<222> (1)...(653)
<223> n = A,T,C or G

<400> 363
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ctaacgaaac ttctcaccta tgagttgtaa agcagaaata cctgnactac agacgagtgc 240
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ntgggccctg gagctgggat gacattgagt ttgagctgct gacctgggat gaggaaggag 540
atattggaga tccttggtcc agaattccat ttaccttctg ggccagatac caccagaatg 600
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<210> 364
 <211> 401
 <212> DNA
 <213> Homo sapien

<400> 364
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 aaaacaaggt ggatagatct agaattgtaa cattttaaga aaaccatagc atttgacaga 180
 tgagaaagct caattataga tgcaaagtta taactaaact actatagtag taaagaaata 240
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<210> 365
 <211> 356
 <212> DNA
 <213> Homo sapien

<400> 365
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 gactgtcacg atgtgtatag tacagtttga caagcctggg tccatacaga ccgctggaga 300
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<210> 366
 <211> 1851
 <212> DNA
 <213> Homo sapien

<400> 366
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 tcaattcctt taagcctttg tgactcttcc tctgatgtca gctttaagtc ttgttctgga 180
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 atttatcttc attgtagaca gcatagtgtg gtagtggtatt tccatactca tctggaatat 600
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<210> 367
<211> 668
<212> DNA
<213> Homo sapien
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<210> 368
<211> 1512
<212> DNA
<213> Homo sapien
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<400> 368						
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tccatgcccg	ctgcttcttc	tgtgaagaag	ccatttggtc	tcaggagcaa	gatgggcaag	300
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<210> 369

<211> 1853

<212> DNA

<213> Homo sapien

<400> 369

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<210> 370

<211> 2184

<212> DNA

<213> Homo sapien

<400> 370

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<210> 371
<211> 1855
<212> DNA
<213> Homo sapien

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<220>
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<222> (1) ... (1855)
<223> n = A,T,C or G

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<210> 372

<211> 1059

<212> DNA

<213> Homo sapien

<400> 372

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<210> 373

<211> 1155

<212> DNA

<213> Homo sapien

<400> 373

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<210> 374

<211> 2000

<212> DNA

<213> Homo sapien

<400> 374

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<210> 375

<211> 2040

<212> DNA

<213> Homo sapien

<400> 375

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gaaaaagaca	tcttgcatga	aaatagtacg	ttgcgggaag	aaattgccat	gctaagactg	1980
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<210> 376

<211> 329

<212> PRT

<213> Homo sapien

<400> 376

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Glu Tyr Thr Ile Val His Ala Ser Phe Ile Ser Cys Ile Ser Ser Ser
 35          40          45
Leu Asp Gly Gln Gly Glu Arg Gln Glu Gln Arg Gly His Phe Trp Arg
 50          55          60
Pro Gln Arg Leu Leu Cys Glu Asp Ala Trp Glu Gln Glu Val Gln Val
 65          70          75          80
Val Leu Pro Leu Leu Pro Leu Leu Gln Gly Ser Gly Lys Ser Asn Val
 85          90          95
Val Ala Trp Gly Asp Tyr Asp Asp Ser Ala Phe Met Asp Pro Arg Tyr
100          105          110
His Val His Gly Glu Asp Leu Asp Lys Leu His Arg Ala Ala Trp Trp
115          120          125
Gly Lys Val Pro Arg Lys Asp Leu Ile Val Met Leu Arg Asp Thr Asp
130          135          140
Val Asn Lys Arg Asp Lys Gln Lys Arg Thr Ala Leu His Leu Ala Ser
145          150          155          160
Ala Asn Gly Asn Ser Glu Val Val Lys Leu Val Leu Asp Arg Arg Cys
165          170          175
Gln Leu Asn Val Leu Asp Asn Lys Lys Arg Thr Ala Leu Thr Lys Ala
180          185          190
Val Gln Cys Gln Glu Asp Glu Cys Ala Leu Met Leu Leu Glu His Gly
195          200          205
Thr Asp Pro Asn Ile Pro Asp Glu Tyr Gly Asn Thr Thr Leu His Tyr
210          215          220
Ala Val Tyr Asn Glu Asp Lys Leu Met Ala Lys Ala Leu Leu Leu Tyr
225          230          235          240
Gly Ala Asp Ile Glu Ser Lys Asn Lys His Gly Leu Thr Pro Leu Leu
245          250          255
Leu Gly Ile His Glu Gln Lys Gln Gln Val Val Lys Phe Leu Ile Lys
260          265          270
Lys Lys Ala Asn Leu Asn Ala Leu Asp Arg Tyr Gly Arg Thr Ala Leu
275          280          285
Ile Leu Ala Val Cys Cys Gly Ser Ala Ser Ile Val Ser Pro Leu Leu
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Glu Gln Asn Val Asp Val Ser Ser Gln Asp Leu Glu Arg Arg Pro Glu
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Ser Met Leu Phe Leu Val Ile Ile Met
325

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<210> 377

<211> 148

<212> PRT

<213> Homo sapien

<220>

<221> VARIANT

00651336-082900

<222> (1)...(148)

<223> Xaa = Any Amino Acid

<400> 377

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			20					25					30		
Asp	Leu	Ile	Val	Met	Leu	Arg	Asp	Thr	Asp	Val	Asn	Lys	Xaa	Asp	Lys
		35					40					45			
Gln	Lys	Arg	Thr	Ala	Leu	His	Leu	Ala	Ser	Ala	Asn	Gly	Asn	Ser	Glu
	50					55					60				
Val	Val	Lys	Leu	Xaa	Leu	Asp	Arg	Arg	Cys	Gln	Leu	Asn	Val	Leu	Asp
65					70				75					80	
Asn	Lys	Lys	Arg	Thr	Ala	Leu	Xaa	Lys	Ala	Val	Gln	Cys	Gln	Glu	Asp
				85					90					95	
Glu	Cys	Ala	Leu	Met	Leu	Leu	Glu	His	Gly	Thr	Asp	Pro	Asn	Ile	Pro
			100					105					110		
Asp	Glu	Tyr	Gly	Asn	Thr	Thr	Leu	His	Tyr	Ala	Xaa	Tyr	Asn	Glu	Asp
		115					120					125			
Lys	Leu	Met	Ala	Lys	Ala	Leu	Leu	Leu	Tyr	Gly	Ala	Asp	Ile	Glu	Ser
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Lys	Asn	Lys	Val												
145															

<210> 378

<211> 1719

<212> PRT

<213> Homo sapien

<400> 378

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			20					25					30		
Pro	Cys	Cys	Arg	Glu	Ser	Gly	Lys	Ser	Asn	Val	Gly	Thr	Ser	Gly	Asp
		35					40					45			
His	Asp	Asp	Ser	Ala	Met	Lys	Thr	Leu	Arg	Ser	Lys	Met	Gly	Lys	Trp
	50					55					60				
Cys	Arg	His	Cys	Phe	Pro	Cys	Cys	Arg	Gly	Ser	Gly	Lys	Ser	Asn	Val
65				70					75					80	
Gly	Ala	Ser	Gly	Asp	His	Asp	Asp	Ser	Ala	Met	Lys	Thr	Leu	Arg	Asn
				85					90				95		
Lys	Met	Gly	Lys	Trp	Cys	Cys	His	Cys	Phe	Pro	Cys	Cys	Arg	Gly	Ser
			100					105					110		
Gly	Lys	Ser	Lys	Val	Gly	Ala	Trp	Gly	Asp	Tyr	Asp	Asp	Ser	Ala	Phe
		115					120					125			
Met	Glu	Pro	Arg	Tyr	His	Val	Arg	Gly	Glu	Asp	Leu	Asp	Lys	Leu	His
	130					135					140				
Arg	Ala	Ala	Trp	Trp	Gly	Lys	Val	Pro	Arg	Lys	Asp	Leu	Ile	Val	Met
145					150					155				160	
Leu	Arg	Asp	Thr	Asp	Val	Asn	Lys	Lys	Asp	Lys	Gln	Lys	Arg	Thr	Ala
				165					170					175	
Leu	His	Leu	Ala	Ser	Ala	Asn	Gly	Asn	Ser	Glu	Val	Val	Lys	Leu	Leu

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			180							185						190			
Leu	Asp	Arg	Arg	Cys	Gln	Leu	Asn	Val	Leu	Asp	Asn	Lys	Lys	Arg	Thr				
		195					200					205							
Ala	Leu	Ile	Lys	Ala	Val	Gln	Cys	Gln	Glu	Asp	Glu	Cys	Ala	Leu	Met				
		210				215					220								
Leu	Leu	Glu	His	Gly	Thr	Asp	Pro	Asn	Ile	Pro	Asp	Glu	Tyr	Gly	Asn				
225					230						235				240				
Thr	Thr	Leu	His	Tyr	Ala	Ile	Tyr	Asn	Glu	Asp	Lys	Leu	Met	Ala	Lys				
				245						250				255					
Ala	Leu	Leu	Leu	Tyr	Gly	Ala	Asp	Ile	Glu	Ser	Lys	Asn	Lys	His	Gly				
				260				265					270						
Leu	Thr	Pro	Leu	Leu	Leu	Gly	Val	His	Glu	Gln	Lys	Gln	Gln	Val	Val				
				275			280					285							
Lys	Phe	Leu	Ile	Lys	Lys	Lys	Ala	Asn	Leu	Asn	Ala	Leu	Asp	Arg	Tyr				
		290				295					300								
Gly	Arg	Thr	Ala	Leu	Ile	Leu	Ala	Val	Cys	Cys	Gly	Ser	Ala	Ser	Ile				
305					310					315					320				
Val	Ser	Leu	Leu	Leu	Glu	Gln	Asn	Ile	Asp	Val	Ser	Ser	Gln	Asp	Leu				
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Ser	Gly	Gln	Thr	Ala	Arg	Glu	Tyr	Ala	Val	Ser	Ser	His	His	His	Val				
			340					345					350						
Ile	Cys	Gln	Leu	Leu	Ser	Asp	Tyr	Lys	Glu	Lys	Gln	Met	Leu	Lys	Ile				
		355					360					365							
Ser	Ser	Glu	Asn	Ser	Asn	Pro	Glu	Asn	Val	Ser	Arg	Thr	Arg	Asn	Lys				
		370				375					380								
Pro	Arg	Thr	His	Met	Val	Val	Glu	Val	Asp	Ser	Met	Pro	Ala	Ala	Ser				
385				390						395					400				
Ser	Val	Lys	Lys	Pro	Phe	Gly	Leu	Arg	Ser	Lys	Met	Gly	Lys	Trp	Cys				
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Cys	Arg	Cys	Phe	Pro	Cys	Cys	Arg	Glu	Ser	Gly	Lys	Ser	Asn	Val	Gly				
			420					425					430						
Thr	Ser	Gly	Asp	His	Asp	Asp	Ser	Ala	Met	Lys	Thr	Leu	Arg	Ser	Lys				
		435					440					445							
Met	Gly	Lys	Trp	Cys	Arg	His	Cys	Phe	Pro	Cys	Cys	Arg	Gly	Ser	Gly				
		450				455					460								
Lys	Ser	Asn	Val	Gly	Ala	Ser	Gly	Asp	His	Asp	Asp	Ser	Ala	Met	Lys				
465				470						475				480					
Thr	Leu	Arg	Asn	Lys	Met	Gly	Lys	Trp	Cys	Cys	His	Cys	Phe	Pro	Cys				
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Cys	Arg	Gly	Ser	Gly	Lys	Ser	Lys	Val	Gly	Ala	Trp	Gly	Asp	Tyr	Asp				
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Glu Tyr Gly Asn Thr	Thr Leu His Tyr Ala Ile	Tyr Asn Glu Asp Lys		
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Leu Met Ala Lys Ala	Leu Leu Leu Tyr Gly Ala Asp Ile	Glu Ser Lys		
	645	650	655	
Asn Lys His Gly Leu Thr	Pro Leu Leu Gly Val His	Glu Gln Lys		
	660	665	670	
Gln Gln Val Val Lys Phe	Leu Ile Lys Lys Lys Ala	Asn Leu Asn Ala		
	675	680	685	
Leu Asp Arg Tyr Gly Arg	Thr Ala Leu Ile Leu Ala Val	Cys Cys Gly		
	690	695	700	
Ser Ala Ser Ile Val Ser	Leu Leu Leu Glu Gln Asn Ile	Asp Val Ser		
705	710	715	720	
Ser Gln Asp Leu Ser Gly	Gln Thr Ala Arg Glu Tyr Ala Val	Ser Ser		
	725	730	735	
His His His Val Ile Cys	Gln Leu Leu Ser Asp Tyr Lys	Glu Lys Gln		
	740	745	750	
Met Leu Lys Ile Ser Ser	Glu Asn Ser Asn Pro Glu Gln	Asp Leu Lys		
	755	760	765	
Leu Thr Ser Glu Glu Glu	Ser Gln Arg Phe Lys Gly Ser	Glu Asn Ser		
	770	775	780	
Gln Pro Glu Lys Met Ser	Gln Glu Pro Glu Ile Asn Lys	Asp Gly Asp		
785	790	795	800	
Arg Glu Val Glu Glu Glu	Met Lys Lys His Glu Ser	Asn Asn Val Gly		
	805	810	815	
Leu Leu Glu Asn Leu Thr	Asn Gly Val Thr Ala Gly	Asn Gly Asp Asn		
	820	825	830	
Gly Leu Ile Pro Gln Arg	Lys Ser Arg Thr Pro Glu	Asn Gln Gln Phe		
	835	840	845	
Pro Asp Asn Glu Ser Glu	Glu Tyr His Arg Ile Cys	Glu Leu Val Ser		
	850	855	860	
Asp Tyr Lys Glu Lys Gln	Met Pro Lys Tyr Ser Ser	Glu Asn Ser Asn		
865	870	875	880	
Pro Glu Gln Asp Leu Lys	Leu Thr Ser Glu Glu Glu Ser	Gln Arg Leu		
	885	890	895	
Glu Gly Ser Glu Asn Gly	Gln Pro Glu Leu Glu Asn	Phe Met Ala Ile		
	900	905	910	
Glu Glu Met Lys Lys His	Gly Ser Thr His Val Gly	Phe Pro Glu Asn		
	915	920	925	
Leu Thr Asn Gly Ala Thr	Ala Gly Asn Gly Asp Asp	Gly Leu Ile Pro		
	930	935	940	
Pro Arg Lys Ser Arg Thr	Pro Glu Ser Gln Gln Phe	Pro Asp Thr Glu		
945	950	955	960	
Asn Glu Glu Tyr His Ser	Asp Glu Gln Asn Asp Thr	Gln Lys Gln Phe		
	965	970	975	
Cys Glu Glu Gln Asn Thr	Gly Ile Leu His Asp Glu	Ile Leu Ile His		
	980	985	990	
Glu Glu Lys Gln Ile Glu	Val Val Glu Lys Met Asn	Ser Glu Leu Ser		
	995	1000	1005	
Leu Ser Cys Lys Lys Glu	Lys Asp Ile Leu His Glu	Asn Ser Thr Leu		
	1010	1015	1020	
Arg Glu Glu Ile Ala Met	Leu Arg Leu Glu Leu Asp	Thr Met Lys His		
1025	1030	1035	1040	
Gln Ser Gln Leu Pro Arg	Thr His Met Val Val	Glu Val Asp Ser Met		

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 1075 1080 1085
 Ser Asn Val Gly Thr Ser Gly Asp His Asp Asp Ser Ala Met Lys Thr
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 Leu Arg Ser Lys Met Gly Lys Trp Cys Arg His Cys Phe Pro Cys Cys
 1105 1110 1115 1120
 Arg Gly Ser Gly Lys Ser Asn Val Gly Ala Ser Gly Asp His Asp Asp
 1125 1130 1135
 Ser Ala Met Lys Thr Leu Arg Asn Lys Met Gly Lys Trp Cys Cys His
 1140 1145 1150
 Cys Phe Pro Cys Cys Arg Gly Ser Gly Lys Ser Lys Val Gly Ala Trp
 1155 1160 1165
 Gly Asp Tyr Asp Asp Ser Ala Phe Met Glu Pro Arg Tyr His Val Arg
 1170 1175 1180
 Gly Glu Asp Leu Asp Lys Leu His Arg Ala Ala Trp Trp Gly Lys Val
 1185 1190 1195 1200
 Pro Arg Lys Asp Leu Ile Val Met Leu Arg Asp Thr Asp Val Asn Lys
 1205 1210 1215
 Lys Asp Lys Gln Lys Arg Thr Ala Leu His Leu Ala Ser Ala Asn Gly
 1220 1225 1230
 Asn Ser Glu Val Val Lys Leu Leu Asp Arg Arg Cys Gln Leu Asn
 1235 1240 1245
 Val Leu Asp Asn Lys Lys Arg Thr Ala Leu Ile Lys Ala Val Gln Cys
 1250 1255 1260
 Gln Glu Asp Glu Cys Ala Leu Met Leu Leu Glu His Gly Thr Asp Pro
 1265 1270 1275 1280
 Asn Ile Pro Asp Glu Tyr Gly Asn Thr Thr Leu His Tyr Ala Ile Tyr
 1285 1290 1295
 Asn Glu Asp Lys Leu Met Ala Lys Ala Leu Leu Leu Tyr Gly Ala Asp
 1300 1305 1310
 Ile Glu Ser Lys Asn Lys His Gly Leu Thr Pro Leu Leu Leu Gly Val
 1315 1320 1325
 His Glu Gln Lys Gln Gln Val Lys Phe Leu Ile Lys Lys Lys Ala
 1330 1335 1340
 Asn Leu Asn Ala Leu Asp Arg Tyr Gly Arg Thr Ala Leu Ile Leu Ala
 1345 1350 1355 1360
 Val Cys Cys Gly Ser Ala Ser Ile Val Ser Leu Leu Leu Glu Gln Asn
 1365 1370 1375
 Ile Asp Val Ser Ser Gln Asp Leu Ser Gly Gln Thr Ala Arg Glu Tyr
 1380 1385 1390
 Ala Val Ser Ser His His His Val Ile Cys Gln Leu Leu Ser Asp Tyr
 1395 1400 1405
 Lys Glu Lys Gln Met Leu Lys Ile Ser Ser Glu Asn Ser Asn Pro Glu
 1410 1415 1420
 Gln Asp Leu Lys Leu Thr Ser Glu Glu Glu Ser Gln Arg Phe Lys Gly
 1425 1430 1435 1440
 Ser Glu Asn Ser Gln Pro Glu Lys Met Ser Gln Glu Pro Glu Ile Asn
 1445 1450 1455
 Lys Asp Gly Asp Arg Glu Val Glu Glu Glu Met Lys Lys His Glu Ser
 1460 1465 1470
 Asn Asn Val Gly Leu Leu Glu Asn Leu Thr Asn Gly Val Thr Ala Gly

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1475 1480 1485
 Asn Gly Asp Asn Gly Leu Ile Pro Gln Arg Lys Ser Arg Thr Pro Glu
 1490 1495 1500
 Asn Gln Gln Phe Pro Asp Asn Glu Ser Glu Glu Tyr His Arg Ile Cys
 1505 1510 1515 1520
 Glu Leu Val Ser Asp Tyr Lys Glu Lys Gln Met Pro Lys Tyr Ser Ser
 1525 1530 1535
 Glu Asn Ser Asn Pro Glu Gln Asp Leu Lys Leu Thr Ser Glu Glu Glu
 1540 1545 1550
 Ser Gln Arg Leu Glu Gly Ser Glu Asn Gly Gln Pro Glu Lys Arg Ser
 1555 1560 1565
 Gln Glu Pro Glu Ile Asn Lys Asp Gly Asp Arg Glu Leu Glu Asn Phe
 1570 1575 1580
 Met Ala Ile Glu Glu Met Lys Lys His Gly Ser Thr His Val Gly Phe
 1585 1590 1595 1600
 Pro Glu Asn Leu Thr Asn Gly Ala Thr Ala Gly Asn Gly Asp Asp Gly
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 Leu Ile Pro Pro Arg Lys Ser Arg Thr Pro Glu Ser Gln Gln Phe Pro
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 Asp Thr Glu Asn Glu Glu Tyr His Ser Asp Glu Gln Asn Asp Thr Gln
 1635 1640 1645
 Lys Gln Phe Cys Glu Glu Gln Asn Thr Gly Ile Leu His Asp Glu Ile
 1650 1655 1660
 Leu Ile His Glu Glu Lys Gln Ile Glu Val Val Glu Lys Met Asn Ser
 1665 1670 1675 1680
 Glu Leu Ser Leu Ser Cys Lys Lys Glu Lys Asp Ile Leu His Glu Asn
 1685 1690 1695
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 Met Lys His Gln Ser Gln Leu
 1715

<210> 379

<211> 656

<212> PRT

<213> Homo sapien

<400> 379

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 Pro Cys Cys Arg Glu Ser Gly Lys Ser Asn Val Gly Thr Ser Gly Asp
 35 40 45
 His Asp Asp Ser Ala Met Lys Thr Leu Arg Ser Lys Met Gly Lys Trp
 50 55 60
 Cys Arg His Cys Phe Pro Cys Cys Arg Gly Ser Gly Lys Ser Asn Val
 65 70 75 80
 Gly Ala Ser Gly Asp His Asp Asp Ser Ala Met Lys Thr Leu Arg Asn
 85 90 95
 Lys Met Gly Lys Trp Cys Cys His Cys Phe Pro Cys Cys Arg Gly Ser
 100 105 110
 Gly Lys Ser Lys Val Gly Ala Trp Gly Asp Tyr Asp Asp Ser Ala Phe
 115 120 125

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Met Glu Pro Arg Tyr His Val Arg Gly Glu Asp Leu Asp Lys Leu His
 130 135 140
 Arg Ala Ala Trp Trp Gly Lys Val Pro Arg Lys Asp Leu Ile Val Met
 145 150 155 160
 Leu Arg Asp Thr Asp Val Asn Lys Lys Asp Lys Gln Lys Arg Thr Ala
 165 170 175
 Leu His Leu Ala Ser Ala Asn Gly Asn Ser Glu Val Val Lys Leu Leu
 180 185 190
 Leu Asp Arg Arg Cys Gln Leu Asn Val Leu Asp Asn Lys Lys Arg Thr
 195 200 205
 Ala Leu Ile Lys Ala Val Gln Cys Gln Glu Asp Glu Cys Ala Leu Met
 210 215 220
 Leu Leu Glu His Gly Thr Asp Pro Asn Ile Pro Asp Glu Tyr Gly Asn
 225 230 235 240
 Thr Thr Leu His Tyr Ala Ile Tyr Asn Glu Asp Lys Leu Met Ala Lys
 245 250 255
 Ala Leu Leu Leu Tyr Gly Ala Asp Ile Glu Ser Lys Asn Lys His Gly
 260 265 270
 Leu Thr Pro Leu Leu Leu Gly Val His Glu Gln Lys Gln Gln Val Val
 275 280 285
 Lys Phe Leu Ile Lys Lys Lys Ala Asn Leu Asn Ala Leu Asp Arg Tyr
 290 295 300
 Gly Arg Thr Ala Leu Ile Leu Ala Val Cys Cys Gly Ser Ala Ser Ile
 305 310 315 320
 Val Ser Leu Leu Leu Glu Gln Asn Ile Asp Val Ser Ser Gln Asp Leu
 325 330 335
 Ser Gly Gln Thr Ala Arg Glu Tyr Ala Val Ser Ser His His His Val
 340 345 350
 Ile Cys Gln Leu Leu Ser Asp Tyr Lys Glu Lys Gln Met Leu Lys Ile
 355 360 365
 Ser Ser Glu Asn Ser Asn Pro Glu Gln Asp Leu Lys Leu Thr Ser Glu
 370 375 380
 Glu Glu Ser Gln Arg Phe Lys Gly Ser Glu Asn Ser Gln Pro Glu Lys
 385 390 395 400
 Met Ser Gln Glu Pro Glu Ile Asn Lys Asp Gly Asp Arg Glu Val Glu
 405 410 415
 Glu Glu Met Lys Lys His Glu Ser Asn Asn Val Gly Leu Leu Glu Asn
 420 425 430
 Leu Thr Asn Gly Val Thr Ala Gly Asn Gly Asp Asn Gly Leu Ile Pro
 435 440 445
 Gln Arg Lys Ser Arg Thr Pro Glu Asn Gln Gln Phe Pro Asp Asn Glu
 450 455 460
 Ser Glu Glu Tyr His Arg Ile Cys Glu Leu Val Ser Asp Tyr Lys Glu
 465 470 475 480
 Lys Gln Met Pro Lys Tyr Ser Ser Glu Asn Ser Asn Pro Glu Gln Asp
 485 490 495
 Leu Lys Leu Thr Ser Glu Glu Glu Ser Gln Arg Leu Glu Gly Ser Glu
 500 505 510
 Asn Gly Gln Pro Glu Leu Glu Asn Phe Met Ala Ile Glu Glu Met Lys
 515 520 525
 Lys His Gly Ser Thr His Val Gly Phe Pro Glu Asn Leu Thr Asn Gly
 530 535 540
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<210> 380
<211> 671
<212> PRT
<213> Homo sapien
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Pro	Cys	Cys 35	Arg	Glu	Ser	Gly 40	Lys	Ser	Asn	Val	Gly 45	Thr	Ser	Gly	Asp
His	Asp 50	Asp	Ser	Ala	Met 55	Lys	Thr	Leu	Arg	Ser 60	Lys	Met	Gly	Lys	Trp
Cys 65	Arg	His	Cys	Phe 70	Pro	Cys	Cys	Arg	Gly 75	Ser	Gly	Lys	Ser	Asn 80	Val
Gly	Ala	Ser	Gly 85	Asp	His	Asp	Asp	Ser 90	Ala	Met	Lys	Thr	Leu 95	Arg	Asn
Lys	Met	Gly 100	Lys	Trp	Cys	Cys	His	Cys 105	Phe	Pro	Cys	Cys	Arg 110	Gly	Ser
Gly	Lys	Ser 115	Lys	Val	Gly	Ala	Trp 120	Gly	Asp	Tyr	Asp	Asp	Ser 125	Ala	Phe
Met	Glu 130	Pro	Arg	Tyr	His 135	Val	Arg	Gly	Glu	Asp 140	Leu	Asp	Lys	Leu	His
Arg 145	Ala	Ala	Trp	Trp 150	Gly	Lys	Val	Pro	Arg	Lys 155	Asp	Leu	Ile	Val	Met
Leu	Arg	Asp	Thr 165	Asp	Val	Asn	Lys	Lys	Asp 170	Lys	Gln	Lys	Arg	Thr	Ala
Leu	His	Leu 180	Ala	Ser	Ala	Asn	Gly 185	Asn	Ser	Glu	Val	Val	Lys 190	Leu	Leu
Leu 225	Asp	Arg	Arg 230	Cys	Gln	Leu	Asn	Val	Leu	Asp	Asn	Lys	Lys	Arg	Thr
Ala	Leu 210	Ile	Lys	Ala	Val 215	Gln	Cys	Gln	Glu	Asp	Glu	Cys	Ala	Leu	Met
Leu 225	Leu	Glu	His 230	Gly	Thr	Asp	Pro	Asn	Ile	Pro 235	Asp	Glu	Tyr	Gly	Asn
Thr	Thr	Leu	His 245	Tyr	Ala	Ile	Tyr	Asn	Glu	Asp 250	Lys	Leu	Met	Ala	Lys
Ala	Leu	Leu 260	Leu	Tyr	Gly	Ala	Asp	Ile 265	Glu	Ser	Lys	Asn	Lys	His	Gly
Leu	Thr	Pro	Leu 270	Leu	Leu	Gly	Val	His	Glu	Gln	Lys	Gln	Gln	Val	Val

	275		280		285														
Lys	Phe	Leu	Ile	Lys	Lys	Lys	Ala	Asn	Leu	Asn	Ala	Leu	Asp	Arg	Tyr				
	290					295					300								
Gly	Arg	Thr	Ala	Leu	Ile	Leu	Ala	Val	Cys	Cys	Gly	Ser	Ala	Ser	Ile				
305					310					315					320				
Val	Ser	Leu	Leu	Leu	Glu	Gln	Asn	Ile	Asp	Val	Ser	Ser	Gln	Asp	Leu				
				325					330						335				
Ser	Gly	Gln	Thr	Ala	Arg	Glu	Tyr	Ala	Val	Ser	Ser	His	His	His	Val				
			340					345						350					
Ile	Cys	Gln	Leu	Leu	Ser	Asp	Tyr	Lys	Glu	Lys	Gln	Met	Leu	Lys	Ile				
	355					360					365								
Ser	Ser	Glu	Asn	Ser	Asn	Pro	Glu	Gln	Asp	Leu	Lys	Leu	Thr	Ser	Glu				
	370					375				380									
Glu	Glu	Ser	Gln	Arg	Phe	Lys	Gly	Ser	Glu	Asn	Ser	Gln	Pro	Glu	Lys				
385					390					395					400				
Met	Ser	Gln	Glu	Pro	Glu	Ile	Asn	Lys	Asp	Gly	Asp	Arg	Glu	Val	Glu				
				405					410					415					
Glu	Glu	Met	Lys	Lys	His	Glu	Ser	Asn	Asn	Val	Gly	Leu	Leu	Glu	Asn				
			420					425					430						
Leu	Thr	Asn	Gly	Val	Thr	Ala	Gly	Asn	Gly	Asp	Asn	Gly	Leu	Ile	Pro				
	435						440					445							
Gln	Arg	Lys	Ser	Arg	Thr	Pro	Glu	Asn	Gln	Gln	Phe	Pro	Asp	Asn	Glu				
	450					455					460								
Ser	Glu	Glu	Tyr	His	Arg	Ile	Cys	Glu	Leu	Val	Ser	Asp	Tyr	Lys	Glu				
465					470					475				480					
Lys	Gln	Met	Pro	Lys	Tyr	Ser	Ser	Glu	Asn	Ser	Asn	Pro	Glu	Gln	Asp				
				485					490					495					
Leu	Lys	Leu	Thr	Ser	Glu	Glu	Glu	Ser	Gln	Arg	Leu	Glu	Gly	Ser	Glu				
			500					505					510						
Asn	Gly	Gln	Pro	Glu	Lys	Arg	Ser	Gln	Glu	Pro	Glu	Ile	Asn	Lys	Asp				
	515						520					525							
Gly	Asp	Arg	Glu	Leu	Glu	Asn	Phe	Met	Ala	Ile	Glu	Glu	Met	Lys	Lys				
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His	Gly	Ser	Thr	His	Val	Gly	Phe	Pro	Glu	Asn	Leu	Thr	Asn	Gly	Ala				
545					550					555					560				
Thr	Ala	Gly	Asn	Gly	Asp	Asp	Gly	Leu	Ile	Pro	Pro	Arg	Lys	Ser	Arg				
			565						570					575					
Thr	Pro	Glu	Ser	Gln	Gln	Phe	Pro	Asp	Thr	Glu	Asn	Glu	Glu	Tyr	His				
			580					585					590						
Ser	Asp	Glu	Gln	Asn	Asp	Thr	Gln	Lys	Gln	Phe	Cys	Glu	Glu	Gln	Asn				
	595						600					605							
Thr	Gly	Ile	Leu	His	Asp	Glu	Ile	Leu	Ile	His	Glu	Glu	Lys	Gln	Ile				
	610					615					620								
Glu	Val	Val	Glu	Lys	Met	Asn	Ser	Glu	Leu	Ser	Leu	Ser	Cys	Lys	Lys				
625					630					635					640				
Glu	Lys	Asp	Ile	Leu	His	Glu	Asn	Ser	Thr	Leu	Arg	Glu	Glu	Ile	Ala				
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<210> 381

<211> 251

<212> DNA

<213> Homo sapien

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<400> 381

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ccaatatccc	aggagaagca	ttggggagtt	gggggcaggt	gaaggaccca	ggactcacac	180
atcctggggc	tccaaggcag	aggagagggg	cctcaagaag	gtcaggagga	aaatccgtaa	240
caagcagtca	g					251

<210> 382

<211> 3279

<212> DNA

<213> Homo sapiens

<400> 382

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cactggggagg	ggacatcctg	cagaaggtag	gagtgcagca	acacccgctg	caggggaggg	180
gagagccctg	cggcacctgg	gggagcagag	ggagcagcac	ctgcccaggc	ctgggaggag	240
gggcctggag	ggcgtgagga	ggagcgaggg	ggctgcatgg	ctggagttag	ggatcagggg	300
cagggcgcgga	gatggcctca	cacaggggaag	agagggcccc	tcctgcaggg	cctcacctgg	360
gccacaggag	gacactgctt	ttcctctgag	gagtcaggag	ctgtggatgg	tgctggacag	420
aagaaggaca	gggcctggct	caggtgtcca	gaggctgtcg	ctggcttccc	tttgggatca	480
gactgcaggg	agggagggcg	gcagggttgt	ggggggagtg	acgatgagga	tgacctgggg	540
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cctcagtcct	tccctccac	tccatcctcc	atctggcctc	agtgggtcat	tctgatcact	660
gaactgacca	taccagccc	tgcccacggc	cctccatggc	tccccaatgc	cctggagagg	720
ggacatctag	tcagagagta	gtcctgaaga	ggtggcctct	gcgatgtgcc	tgtgggggca	780
gcacctgca	gatggtcccg	gccctcatcc	tgctgacctg	tctgcaggga	ctgtcctcct	840
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gagccttggt	ccctctgttg	gactccctgc	ccatattctt	gtgggagtgg	gttctggaga	960
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gcattaccgg	aagtggatca	aggacaccat	cgcagccaac	ccctgagtgc	ccctgtccca	1260
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ctctgaagac	ttctcgctca	gtttcagtg	ggacacacac	aaagacgtgg	gtgacctgt	1560
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caaggtggac	actctctaca	gatcactgag	gataagctgg	agccacaatg	catgaggcac	1680
acacacagca	aggttgacgc	tgtaaacata	gccacgctg	tcctgggggc	actgggaagc	1740
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tagggggaga	aactgaaagc	tgattaatta	caggaggttt	gttcagggtcc	cccaaaccac	1860
cgtcagattt	gatgatttcc	tagcaggact	tacagaaata	aagagctatc	atgctgtggg	1920
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gtagctgata	cagctgatag	aggaactagc	caggtggggg	cctttccctt	tggtggggg	2160
gcataatccga	cagttattct	ctccaagtgg	agacttacgg	acagcatata	attctccctg	2220
caaggatgta	tgataatatg	tacaaagtaa	ttccaactga	ggaagctcac	ctgatcccta	2280
gtgtccaggg	tttttactgg	gggtctgtag	gacgagtatg	gagtacttga	ataattgacc	2340
tgaagtcttc	agacctgagg	ttccctagag	ttcaaacaga	tacagcatgg	tccagagtcc	2400

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<210> 383
<211> 154
<212> PRT
<213> Homo sapiens
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<210> 384

<211> 557
 <212> DNA
 <213> Homo sapiens

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 ggggaagggt cccttttgca ttgccaagtg ccataaccat gagcactact ctaccatggt 180
 tctgcctcct ggccaagcag gctggtttgc aagaatgaaa tgaatgattc tacagctagg 240
 acttaacctt gaaatggaaa gtcttgcaat cccatttgca ggatccgtct gtgcacatgc 300
 ctctgtagag agcagcattc ccagggacct tggaaacagt tggcactgta aggtgcttgc 360
 tccccaaagac acatcctaaa aggtgtttgta atgggtgaaaa cgtcttcctt ctttattgcc 420
 ccttcttatt tatgtgaaca actgtttgtc tttttttgta tcttttttaa actgtaaagt 480
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 aaaaaaaaaa aaaaaaaa 557

<210> 385
 <211> 337
 <212> DNA
 <213> Homo sapiens

<400> 385
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 tctcaaagcc atctgctgtc ttcgagtacg gacacatcat cactcctgca ttgttgatca 180
 aaacgtggag gtgcttttcc tcagctaaga agcccttagc aaaagctcga atagacttag 240
 tatcagacag gtccagtttc cgcaccaaca cctgctgggt ccctgtcgtg gtctggatct 300
 ctttggccac caattccccc ttttccacat cccggca 337

<210> 386
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 386
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 gcgaccttg ccgaaggct ctagcaagga cccaccgacc ccagccggcg cggcgggcgc 180
 ggggactttg cccggtgtgt ggggcgggag ggactgctg tccgcggacg ggcagcgaag 240
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<210> 387
 <211> 537
 <212> DNA
 <213> Homo sapiens

<400> 387
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 tgaaccagga ccggcttctg ggcggctgaa aggggcaagg aggcaaggac cccgtctctc 180
 ccacggatgg ggagagggca ggaggagacc cagccaagtg ctttttcctc agcactgagg 240
 gagggggctt gtttcccttc cctcccggcg acaagctcca gggcagggtt gtccctctgg 300
 gcggcccagc acttccctcag acacaacttc ttctgtctgc tccagtcgtg gggatcatca 360
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<220>
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 <222> (1)...(325)
 <223> n = A,T,C or G

<400> 391
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 ctctcgcgcc cagcctggag ctgctcctgg catctaccaa caatcagncg aggcgagcag 120
 tagccagggc actgctgcca acagccagtc cnnataccat catgtnaccc ggtgngctct 180
 naanttn gat ntccanagcc ctacccatcn tagttctgct ctcccaccgg ntaccagccc 240
 cactgcccag gaatcctaca gccagtaccc tgtcccagacg tctctaccta ccagtacgat 300
 gagacctccg gctactacta tgacc 325

<210> 392
 <211> 277
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(277)
 <223> n = A,T,C or G

<400> 392
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 antaccanga accgncatgn cttaanaacn ncctggtttn tgggttnmtc aatgactgca 180
 tgcagtgcac caccctgtcc actacgtgat gctgtaggat taaagtctca cagtgggcgg 240
 ctgaggatac agcgccgcgt cctgtgttgc tggggaa 277

<210> 393
 <211> 566
 <212> DNA
 <213> Homo sapiens

<400> 393
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 ttgcccggaa cactgcagag acaatgctgt gagtttccaa ccttagccca tctgcgggca 180
 gagaaggctc agtttgtcca tcagcattat catgatatca ggactgggta cttgggtaag 240
 gaggggtcta ggagatctgt cccttttaga gacaccttac ttataatgaa gtatttgga 300
 ggggtggttt caaaagtaga aatgtcctgt attccgatga tcatcctgta aacattttat 360
 catttattaa tcatccctgc ctgtgtctat tattatattc atatctctac gctggaaact 420
 ttctgcctca atgtttactg tgcccttgggt tttgctagtt tgtgttgggt aaaaaaaaaa 480
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<210> 394
 <211> 384
 <212> DNA
 <213> Homo sapiens

<220>
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<222> (1) ... (384)

<223> n = A,T,C or G

<400> 394

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gcaggaggac cgggctttaa ggagttttaa gctgagtgtc actgtagacc ccaaatacca 180
tccaagatt atcgggagaa agggggcagt aattacccaa atccggttgg agcatgacgt 240
gaacatccag tttcctgata aggacgatgg gaaccagccc caggaccaa ttaccatcac 300
agggtagcaa aagaacacag aagctgccag ggatgctata ctgagaattg tgggtgaact 360
tgagcagatg gtttctgagg acgt 384
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<210> 395

<211> 399

<212> DNA

<213> Homo sapiens

<400> 395

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tctgaccttg gactccaaga cctacatcaa cagcctggct atattagatg atgagccagt 120
tatcagaggt ttcatcattg cggaaaattgt ggagtctaag gaaatcatgg cctctgaagt 180
attcacgtct ttccagtacc ctgagttctc tatagagttg cctaacacag gcagaattgg 240
ccagctactt gtctgcaatt gtatcttcaa gaataccctg gccatccctt tgactgacgt 300
caagttctct ttggaaagcc tgggcatctc ctactacag acctctgacc atgggacggt 360
gcagcctggg gagaccatcc aatcccaaat aaaatgcac 399
```

<210> 396

<211> 403

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (403)

<223> n = A,T,C or G

<400> 396

```
tggagttntc agtgcaaaca agccataaag cttcagtagc aaattactgt ctcacagaaa 60
gacatthttca acttctgctc cagctgctga taaaacaaat catgtgttta gcttgactcc 120
agacaaggac aacctgttcc ttcataactc tctagagaaa aaaaggagtt gttagtagat 180
actaaaaaaaa gtggatgaat aatctggata tttttcctaa aaagattcct tgaaacacat 240
taggaaaatg gagggcctta tgatcagaat gctagaatta gtccattgtg ctgaagcagg 300
gttttagggga gggagtgagg gataaaagaa ggaaaaaaag aagagtgaga aaacctattt 360
atcaaagcag gtgctatcac tcaatgttag gccctgctct ttt 403
```

<210> 397

<211> 100

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (100)

<223> n = A,T,C or G

006280" 925950

<400> 397

actagtnacag tgtggtggaa ttcgcggccg cgtcgaccta naanccatct ctatagcaaa 60
tccatccccg ctcttggttg gtnacagaat gactgacaaa 100

<210> 398

<211> 278

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(278)

<223> n = A,T,C or G

<400> 398

gcggccgcgt cgacagcagt tccgccagcg ctgcccctg ggtggggatg tgctgcacgc 60
ccacctggac atctggaagt cagcggcctg gatgaaagag cggacttcac ctggggcgat 120
tcactactgt gcctcgacca gtgaggagag ctggaccgac agcgagggtg actcatcatg 180
ctccgggcag cccatccacc tgtggcagtt cctcaaggag ttgctactca agccccacag 240
ctatggccgc ttcattangt ggctcaacaa ggagaagg 278

<210> 399

<211> 298

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(298)

<223> n = A,T,C or G

<400> 399

acggagggtg aggaagcgnc cctgggatcg anaggatggg tcttgnatt gaccncctcn 60
ggggtgccng catggagcgc atggggcgcg gcctgggcca cggcatggat cgcgtgggct 120
ccgagatcga gcgcatgggc ctggatcatgg accgcatggg ctccgtggag cgcgtgggct 180
ccggcattga gcgcatgggc ccgctgggccc tcgaccacat ggccctccanc attgancgca 240
tgggccagac catggagcgc attggctctg gcgtggagcn catgggtgcc ggcattggg 298

<210> 400

<211> 548

<212> DNA

<213> Homo sapiens

<400> 400

acatcaacta ctctctcatt ttaaggtatg gcagttccct tcatcccctt ttcttgcctt 60
gtacatgtac atgtatgaaa ttctcttctc ttaccgaact ctctccacac atcacaagg 120
caaagaacca cagccttaga agggtaagag ggcaccctat gaaatgaaat ggtgatttct 180
tgagtctctt ttttccacgt ttaagggggc atggcaggac ttagagttgc gagttaagac 240
tgcagagggc tagagaatta ttccatacag gctttgaggc caccatgtc acttatcccg 300
tataccctct caccatcccc ttgtctactc tgatgcccc aagatgcaac tgggcagcta 360
gttggcccca taattctggg cctttgttgt ttgttttaat tacttgggca tcccaggaag 420
ctttccagtg atctcttacc atgggcccc ctcttgggat caagccctc ccaggccctg 480
tccccagccc ctcttgcctc agcccacccg cttgccttgg tgcacagccc tccattggg 540

agcagggtt

548

<210> 401
 <211> 355
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (355)
 <223> n = A,T,C or G

<400> 401
 actgtttcca tgttatgttt ctacacattg ctacctcagt gtcctctggaa acttagcttt 60
 tgatgtctcc aagtagtcca ccttcattta actctttgaa actgtatcat ctttgccaag 120
 taagagtggg ggccattttc agctgctttg acaaaatgac tggctcctga cttaacgttc 180
 tataaatgaa tgtgctgaag caaagtgtcc atggtggcgg cgaagaagan aaagatgtgt 240
 tttgttttgg actctctgtg gtcctctcca atgctgnggg tttccaacca ggggaagggt 300
 cccttttgca ttgccaagtg ccataaccat gagcactact ctaccatggn tctgc 355

<210> 402
 <211> 407
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (407)
 <223> n = A,T,C or G

<400> 402
 atggggcaag ctggataaag aaccaagacc cactggagta tgctgtcttc aagaaacca 60
 tctcacatgc ggtggcatat ataggctcaa aataaaggaa tggagaaaaa tatttcaagc 120
 aaatggaaaa cagaaaaaag caggtgttgc actcctactt tctgacaaaa cagactatgc 180
 gaataaagat aaaaaagaga aggacattac aaaggtgggc ctgacctttg ataatctca 240
 ttgcttgata ccaacctggg ctgttttaat tgcccaaacc aaaaggataa tttgctgagg 300
 ttgtggagct tctccctgc agagagtccc tgatctccca aaatttggtt gagatgtaag 360
 gntgattttg ctgacaactc cttttctgaa gttttactca tttccaa 407

<210> 403
 <211> 303
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (303)
 <223> n = A,T,C or G

<400> 403
 cagtatttat agccnaactg aaaagctagt agcaggcaag tctcaaattc aggcaccaaa 60
 tcctaagcaa gagccatggc atggtgaaaa tgcaaaagga gagtctggcc aatctacaaa 120
 tagagaacaa gacctactca gtcattgaaca aaaaggcaga caccaacatg gatctcatgg 180
 gggattggat attgtaatta tagagcagga agatgacagt gatcgtcatt tggcacaaca 240

tcttaacaac gaccgaaacc cattatttac ataaacctcc attcggtaac catgttgaaa 300
gga 303

<210> 404
<211> 225
<212> DNA
<213> Homo sapiens

<400> 404
aagtgttaact tttaaaaatt tagtggattt tgaaaattct tagaggaaag taaaggaaaa 60
attgttaatg cactcattta cctttacatg gtgaaagtcc tctcttgatc ctacaaacag 120
acattttcca ctcggtgttc catagttgtt aagtgtatca gatgtgttgg gcatgtgaat 180
ctccaagtgc ctgtgtaata aataaagtat ctttatttca ttcatt 225

<210> 405
<211> 334
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (334)
<223> n = A,T,C or G

<400> 405
gagctgttat actgtgagtt ctactaggaa atcatcaaatt ctgaggggtg tctggaggac 60
ttcaatacac ctccccccat agtgaatcag cttccagggg gtccagtcct tctccttact 120
tcatccccat cccatgccaa aggaagaccc tccctccttg gctcacagcc ttctctaggc 180
ttcccagtgc ctccaggaca gagtgggtta tgttttcagc tccatccttg ctgtgagtgt 240
ctggtgcggt tgtgcctcca gcttctgctc agtgcctcat ggacagtgtc cagcccatgt 300
cactctccac tctctcannng tggatcccac ccct 334

<210> 406
<211> 216
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (216)
<223> n = A,T,C or G

<400> 406
tttcatacct aatgagggag ttganatnac atnnaaccag gaaatgcatg gatctcaang 60
gaaacaaaca cccaataaac tcggagtggc agactgacaa ctgtgagaca tgcacttgct 120
acnaaacaca aattttnatgt tgcacccttg tttctacacc tgtgggttat gacaaagaca 180
actgccaaag aatnttcaag aaggaggact gccant 216

<210> 407
<211> 413
<212> DNA
<213> Homo sapiens

<400> 407


```

cccagggacc ttggaaacag ttggcactgt aagggtgcttg ctccccaaga cacatcctaa 180
aagggtgttg aatgggtgaaa accgcttcct tctttattgc cccttcttat ttatgtgaac 240
nactgggttg ctttttttgn atctttttta aactggaaag ttcaattgng aaaatgaata 300
tcntgc                                           306

```

```

<210> 411
<211> 261
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (261)
<223> n = A,T,C or G

```

```

<400> 411
agagatattn cttaggtnaa agttcataga gttcccatga actatatgac tggccacaca 60
ggatcttttg tatttaagga ttctgagatt ttgcttgagc aggattagat aaggctgttc 120
tttaaagtgc tgaaatggaa cagatttcaa aaaaaaaccc cacaatctag ggtgggaaca 180
aggaaggaaa gatgtgaata ggctgatggg caaaaaacca atttaccat cagttccagc 240
cttctctcaa ggngaggcaa a                                           261

```

```

<210> 412
<211> 241
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (241)
<223> n = A,T,C or G

```

```

<400> 412
gttcaatggt acctgacatt tctacaacac ccactcacc gatgtattcg ttgcccagtg 60
ggaacatacc agcctgaatt tggaaaaaat aattgtgttt cttgcccagg aaatactacg 120
actgactttg atggctccac aaacataacc cagtgtaaaa acagaagatg tggaggggag 180
ctgggagatt tcactgggta cattgaattc caaaactacc cangcaatta ccagccaac 240
a                                           241

```

```

<210> 413
<211> 231
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (231)
<223> n = A,T,C or G

```

```

<400> 413
aactcttaca atccaagtga ctcattctgtg tgcttgaatc ctttccactg tctcatctcc 60
ctcatccaag tttctagtag cttctctttg ttgtgaagga taatcaaact gaacaacaaa 120
aagtttactc tcttcatttg gaacctaaaa actctcttct tcttgggtct gagggctcca 180
agaatccttg aatcanttct cagatcattg gggacaccan atcaggaacc t           231

```

<210> 414
 <211> 234
 <212> DNA
 <213> Homo sapiens

<400> 414
 actgtccatg aagcactgag cagaagctgg aggcacaacg caccagacac tcacagcaag 60
 gatggagctg aaaacataac ccactctgtc ctggaggcac tgggaagcct agagaaggct 120
 gtgagccaag gagggagggt cttccttttg catgggatgg ggatgaagta aggagagggg 180
 ctggaccccc tggaagctga ttcactatgg ggggaggtgt attgaagtcc tcca 234

<210> 415
 <211> 217
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (217)
 <223> n = A,T,C or G

<400> 415
 gcataggatt aagactgagt atcttttcta cattctttta actttctaag gggcacttct 60
 caaaacacag accaggtagc aaatctccac tgctctaagg ntctcaccac cactttctca 120
 cacctagcaa tagtagaatt cagtctact tctgaggcca gaagaatggt tcagaaaaat 180
 antggattat aaaaaataac aattaagaaa aataatc 217

<210> 416
 <211> 213
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (213)
 <223> n = A,T,C or G

<400> 416
 atgcataatnt aaagganact gcctcgcttt tagaagacat ctggngctgct ctctgcatga 60
 ggcacagcag taaagctctt tgattcccag aatcaagaac tctccccttc agactattac 120
 cgaatgcaag gtggttaatt gaaggccact aattgatgct caaatagaag gatattgact 180
 atattggaac agatggagtc tctactacaa aag 213

<210> 417
 <211> 303
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (303)
 <223> n = A,T,C or G

<400> 417
 nagtcttcag gccatcagg gaagttcaca ctggagagaa gtcatacata tgtactgtat 60
 gtgggaaagg ctttactctg agttcaaata ttcaagccca tcagagagtc cacactggag 120
 agaagccata caaatgcaat gagtgtggga agagcttcag gagggattcc cattatcaag 180
 ttcacttagt ggtccacaca ggagagaaac cctataaatg tgagatatgt gggaagggt 240
 tcantcaaag ttctgtatctt caaatccatc ngaaggncca cagtatanan aaacctttta 300
 agt 303

<210> 418
 <211> 328
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (328)
 <223> n = A,T,C or G

<400> 418
 tttttggcgg tgggtggggca gggacggggac angagtctca ctctgttgcc caggctggag 60
 tgcacaggca tgatctcggc tcaactacaac ccctgcctcc catgtccaag cgattcttgt 120
 gcctcagcct tccctgtagc tagaattaca ggcacatgcc accacaccca gctagttttt 180
 gtatttttag tagagacagg gtttcaccat gttggccagg ctggtctcaa actcctnacc 240
 tcagnggtca ggctggtctc aaactcctga cctcaagtga tctgcccacc tcagcctccc 300
 aaagtgtan gattacagge cgtgagcc 328

<210> 419
 <211> 389
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (389)
 <223> n = A,T,C or G

<400> 419
 cctcctcaag acggcctgtg gtcgcgcctcc cggcaaccaa gaagcctgca gtgccatattg 60
 acccctgagc catggactgg agcctgaaag gcagcgtaca ccctgctcct gatcttgctg 120
 cttgtttcct ctctgtggct ccattcatag cacagttgtt gcaactgaggc ttgtgcaggc 180
 cgagcaaggc caagctggct caaagagcaa ccagtcact ctgccacggt gtgccaggca 240
 ccggtttctcc agccaccaac ctcaactcgt cccgcaaattg gcacatcagt tcttctaccc 300
 taaaggtagg accaaagggc atctgctttt ctgaagtctt ctgctctatc agccatcacg 360
 tggcagccac tcnggctgtg tcgacggcg 389

<210> 420
 <211> 408
 <212> DNA
 <213> Homo sapiens

<400> 420
 gttcctccta actcctgcca gaaacagctc tctcaacat gagagctgca cccctcctcc 60
 tggccagggc agcaagcctt agccttggtt tcttgtttct gctttttttc tggctagacc 120
 gaagtgtact agccaaggag ttgaagtttg tgactttggt gtttcggcat ggagaccgaa 180

```
gtccattga cacctttccc actgacccca taaaggaatc ctcatggcca caaggatttg 240
gccaaactcac ccagctgggc atggagcagc attatgaact tggagagtat ataagaaaga 300
gatatagaaa attcttgaat gagtcctata aacatgaaca ggtttatatt cgaagcacag 360
acgttgaccg gactttgatg aagtgctatg acaaacctgg caagcccg 408
```

<210> 421

<211> 352

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(352)

<223> n = A,T,C or G

<400> 421

```
gctcaaaaat ctttttactg atnggcatgg ctacacaatc attgactatt acggaggcca 60
gaggagaatg aggcctggcc tgggagccct gtgcctacta naagcacatt agattatcca 120
ttcactgaca gaacagggtct tttttgggtc cttcttctcc accacnatat acttgcagtc 180
ctccttcttg aagattcttt ggcagttgtc tttgtcataa cccacagggtg tagaaacaag 240
gggtgaacat gaaatttctg tttcgtagca agtgcagtgc tcacaagttg gcangtctgc 300
cactccgagt ttattgggtg tttgtttcct ttgagatcca tgcatttcct gg 352
```

<210> 422

<211> 337

<212> DNA

<213> Homo sapiens

<400> 422

```
atgccaccat gctggcaatg cagcgggcg gtcgaaggcct gcatatccag cccaagctgg 60
cgatgatcga cggcaaccgt tgcccgaaat tgccgatgcc agccgaagcg gtggtcaagg 120
gcatagcaa ggtgccggcg atcgcgcgcg cgtcaatcct ggccaaggct agccgtgac 180
gtgaaatggc agctgtcgaa ttgatctacc cgggttatgg catcggcggg cataagggtc 240
atccgacacc ggtgcacctg gaagccttgc agcggctggg gccgacgccg attcaccgac 300
gcttcttccg ccggtacggc tggcctatga aaattat 337
```

<210> 423

<211> 310

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(310)

<223> n = A,T,C or G

<400> 423

```
gctcaaaaat ctttttactg atatggcatg gctacacaat cattgactat tagaggccag 60
aggagaatga ggcctggcct gggagccctg tgccctactan aagcncatta gattatccat 120
tactgacag aacagggtctt ttttgggtcc ttcttctcca ccacgatata cttgcagtc 180
tccttcttga agattctttg gcagttgtct ttgtcataac ccacagggtgt anaaacaagg 240
gtgcaacatg aaatttctgt ttcgtagcaa gtgcatgtct cacagttgtc aagtctgccc 300
tccgagttta 310
```

<210> 424
 <211> 370
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(370)
 <223> n = A,T,C or G

<400> 424
 gctcaaaaat ctttttactg ataggcatgg ctacacaatc attgactatt agaggccaga 60
 ggagaatgag gcctggcctg ggagccctgt gcctactaga agcacattag attatccatt 120
 cactgacaga acaggtcttt tttgggtcct tcttctccac cacgatatac ttgcagtcct 180
 ccttcttgaa gattcttttg cagttgtcct tgtcataacc cacaggtgta gaaacatcct 240
 gggtgaatct cctggaactc cctcattagg tatgaaatag catgatgcat tgcataaagt 300
 cacgaagggt gcaaagatca caacgctgcc cagganaaca ttcattgtga taagcaggac 360
 tccgtcgagc 370

<210> 425
 <211> 216
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(216)
 <223> n = A,T,C or G

<400> 425
 aattgctatn ntttattttg ccactcaaaa taattaccaa aaaaaaaaaa tnttaaata 60
 taacaacnca acatcaaggn aananaaca ggaatggntg actntgcata aatnggccga 120
 anattatcca ttatnttaag ggttgacttc aggntacagc acacagacaa acatgcccag 180
 gaggntntca ggaccgctcg atgtnttntg aggagg 216

<210> 426
 <211> 596
 <212> DNA
 <213> Homo sapiens

<400> 426
 cttccagtgga ggataaccct gttgccccgg gccgagggtc tccattaggc tctgattgat 60
 tggcagtcag tgatggaagg gtgttctgat cattccgact gccccaaggg tcgctggcca 120
 gctctctgtt ttgctgagtt ggcagtagga cctaatttgt taattaagag tagatggtga 180
 gctgtccttg tattttgatt aacctaatgg ccttcccagc acgactcgga ttcagctgga 240
 gacatcacgg caacttttaa tgaaatgatt tgaagggcca ttaagaggca cttcccgtaa 300
 ttaggcagtt catctgcact gataacttct tggcagctga gctggctgga gctgtggccc 360
 aaacgcacac ttggcttttg gttttgagat acaactctta atcttttagt catgcttgag 420
 ggtggatggc cttttcagct ttaacccaat ttgcaactgc ttggaagtgt agccaggaga 480
 atacactcat atactcgtgg gcttagaggc cacagcagat gtcattggct tactgcctga 540
 gtcccgtctg tcccatccca ggaccttcca tcggcgagta cctgggagcc cgtgct 596

<210> 427
 <211> 107

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(107)
<223> n = A,T,C or G

<400> 427
gaagaattca agttaggttt attcaaaggg cttacngaga atcctanacc caggncaccag 60
cccgggagca gccttanaga gctcctgttt gactgcccgg ctcagng 107

<210> 428
<211> 38
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(38)
<223> n = A,T,C or G

<400> 428
gaacttcna anaangactt tattcactat tttacatt 38

<210> 429
<211> 544
<212> DNA
<213> Homo sapiens

<400> 429
ctttgctgga cggaataaaa gtggacgcaa gcatgacctc ctgatgaggg cgctgcattt 60
attgaagagc ggctgcagcc ctgcgggttca gattaaaatc cgagaattgt atagacgccg 120
atatccacga actcttgaag gactttctga tttatccaca atcaaatcat cggttttcag 180
tttggtatggt ggctcatcac ctgtagaacc tgacttggcc gtggctggaa tccactcggt 240
gccttccact tcagttacac ctcaactcacc atcctctcct gttggttctg tgctgcttca 300
agatactaag ccacatttg agatgcagca gccatctccc ccaattcctc ctgtccatcc 360
tgatgtgcag ttaaaaaatc tgccctttta tgatgtcctt gatgttctca tcaagccac 420
gagtttagtt caaagcagta ttcagcgatt tcaagagaag ttttttattt ttgctttgac 480
acctcaacaa gttagagaga tatgcatatc cagggaattt ttgccaggtg gtaggagaga 540
ttat 544

<210> 430
<211> 507
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(507)
<223> n = A,T,C or G

<400> 430
cttatcncaa tggggctccc aaacttggtt gtgcagtgga aactccgggg gaattttgaa 60

005280 " GCTGAGG

```

gaacactgac acccatcttc caccgacga ctctgattta attgggctgc agtgagaaca 120
gagcatcaat ttaaaaaagct gcccgagaatg ttntcctggg cagcgttggtg atctttgccn 180
ccttcgtgac tttatgcaat gcatcatgct atttcatacc taatgaggga gttccaggag 240
attcaaccag gatgttttcta cncctgtggg ttatgacaaa gacaactgcc aaagaatntt 300
caagaaggag gactgcaagt atatcgtggg ggagaagaag gacccaaaaa agacctgttc 360
tgtcagtga tggataatct aatgtgcttc tagtaggcac agggctccca ggccaggcct 420
cattctctc tggcctctaa tagtcaatga ttgtgtagcc atgcctatca gtaaaaaagat 480
ttttgagcaa aaaaaaaaaa aaaaaaa 507

```

<210> 431

<211> 392

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(392)

<223> n = A,T,C or G

<400> 431

```

gaaaattcag aatggataaa aacaaatgaa gtacaaaata tttcagattt acatagcgat 60
aaacaagaaa gcacttatca ggaggactta caaatggaag tacactctan aaccatcatc 120
tatcatggct aaatgtgaga ttagcacagc tgtattattt gtacattgca aacacctaga 180
aagagatggg aaacaaaatc ccaggagttt tgtgtgtgga gtctctgggtt ttccaacaga 240
catcattcca gcattctgag attagggnga ttggggatca ttctggagtt ggaatgttca 300
acaaaagtga tgttgttagg taaaatgtac aacttctgga tctatgcaga cattgaagggt 360
gcaatgagtc tggcttttac tctgctgttt ct 392

```

<210> 432

<211> 387

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(387)

<223> n = A,T,C or G

<400> 432

```

ggatatcnta cataatcaaa tatagctgta gtacatgttt tcattggngt agattaccac 60
aaatgcaagg caacatgtgt agatctcttg tcttattctt ttgtctataa tactgtattg 120
ngtagtccaa gctctcgnga gtccagccac tnggaaacat gctcccttta gattaacctc 180
gtggacnctn ttgttgnatt gtctgaactg tagngccctg tattttgctt ctgtctgnga 240
attctgttgc ttctggggca ttctcttngn atgcagagga ccaccacaca gatgacagca 300
atctgaattg ntccaatcac agctgcgatt aagacatact gaaatcgtac aggaccggga 360
acaacgtata gaacactgga gtccttt 387

```

<210> 433

<211> 281

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(281)

<223> n = A,T,C or G

<400> 433

```
ttcaactagc anagaanact gcttcagggg gtgtaaaatg aaaggcttcc acgcagttat 60
ctgattaaag aacactaaga gagggacaag gctagaagcc gcaggatgtc tacactatag 120
caggcnctat ttgggttggtc tggaggagct gtggaaaaca tggagagatt ggcgctggag 180
atcgccgtgg ctattcctcn ttgntattac accagnaggg ntctctgtnt gccactgggt 240
tnnaaaaccg ntatacaata atgatagaat aggacacaca t 281
```

<210> 434

<211> 484

<212> DNA

<213> Homo sapiens

<400> 434

```
ttttaaata agcatttagt gctcagtcct tactgagtac tctttctctc cctcctctctg 60
aatttaattc tttcaacttg caatttgcaa ggattacaca tttcactgtg atgtatattg 120
tgttgcaaaa aaaaaaaagt gtctttgttt aaaattactt ggtttggtgaa tccatcttgc 180
tttttcccca ttggaactag tcattaaccc atctctgaac tggtagaaaa acatctgaag 240
agctagtcta tcagcatctg acaggtgaat tggatggttc tcagaacccat ttcacccaga 300
cagcctgttt ctatcctgtt taataaatta gtttggttct tctacatgca taacaaaccc 360
tgctccaatc tgtcacataa aagtctgtga cttgaagttt agtcagcacc cccaccaaac 420
tttatttttc tatgtgtttt ttgcaacata tgagtgtttt gaaaataaag taccatgtc 480
ttaa 484
```

<210> 435

<211> 424

<212> DNA

<213> Homo sapiens

<400> 435

```
gcgccgctca gagcaggtca ctttctgcct tccacgtcct ccttcaagga agccccatgt 60
gggtagcttt caatatcgca gggtcttact cctctgcctc tataagctca aaccaccaa 120
cgatcgggca agtaaacccc ctccctcgcc gacttcggaa ctggcgagag ttcagcgag 180
atgggcctgt ggggaggggg caagatagat gagggggagc ggcattggtgc ggggtgacc 240
cttgagaga ggaaaaaggc cacaagaggg gctgccaccg ccactaacgg agatggccct 300
ggtagagacc tttgggggtc tggaaacctc ggactcccca tgccttaact cccacactct 360
gctatcagaa acttaaaact gaggattttc tctgtttttc actcgcaata aattcagagc 420
aaac 424
```

<210> 436

<211> 667

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(667)

<223> n = A,T,C or G

<400> 436

```
accttgggaa nactctcaca atataaaggg tcgtagactt tactccaaat tccaaaaagg 60
tcttggccat gtaatcctga aagttttccc aaggtagcta taaaatcctt ataagggtgc 120
```

```

agcctcttct ggaattcctc tgatttcaaa gtctcactct caagttcttg aaaacgaggg 180
cagttcctga aaggcaggta tagcaactga tcttcagaaa gaggaactgt gtgcaccggg 240
atgggctgcc agagtaggat aggattccag atgctgacac cttctggggg aaacaggggt 300
gccaggtttg tcatagcact catcaaagtc cgggtcaacgt ctgtgcttcg aatataaacc 360
tgttcatgtt tataggactc attcaagaat tttctatatc tctttcttat atactctcca 420
agttcataat gctgctccat gcccagctgg gtgagttggc caaatccttg tggccatgag 480
gattccttta tggggtcagt gggaaagggt tcaatgggac ttcggtctcc atgccgaaac 540
accaaagtca caaacttcaa ctcttgggt agtacacttc ggtctagcca gaaaaaagc 600
agaaacaaga agccaaggct aaggcttgct gccctgccag gaggaggggt gcagctctca 660
tgttgag                                           667

```

<210> 437

<211> 693

<212> DNA

<213> Homo sapiens

<400> 437

```

ctacgtctca accctcattt ttaggtaagg aatcttaagt ccaaagatat taagtgactc 60
acacagccag gtaaggaaag ctggattggc acactaggac tctaccatac cgggttttgt 120
taaagctcag gtaggaggc tgataagctt ggaaggaaact tcagacagct ttttcagatc 180
ataaaagata attcttagcc catgttcttc tccagagcag acctgaaatg acagcacagc 240
aggtactcct ctattttcac cctcttggct tctactctct ggcagtcaga cctgtgggag 300
gccatgggag aaagcagctc tctggatgtt tgtacagatc atggactatt ctctgtggac 360
catttctcca ggttacccta ggtgtcacta ttgggggggac agccagcatc tttagctttc 420
atttgagttt ctgtctgtct tcagtagagg aaacttttgc tcttcacact tcacatctga 480
acacctaaact gctgttgctc ctgaggtggg gaaagacaga tatagagctt acagtattta 540
tcctatttct aggcaactgag ggctgtgggg taccttgtgg tgccaaaaca gatcctgttt 600
taaggacatg ttgcttcaga gatgtctgta actatctggg ggctctgttg gctctttacc 660
ctgcatcatg tgctctcttg gctgaaaatg acc                                           693

```

<210> 438

<211> 360

<212> DNA

<213> Homo sapiens

<400> 438

```

ctgcttatca caatgaatgt tctcctgggc agcgttgtga tctttgccac cttcgtgact 60
ttatgcaatg catcatgcta tttcatacct aatgagggag ttccaggaga ttcaaccagg 120
atgtttctac acctgtgggt tatgacaaag acaactgcc aagaatcttc aagaaggagg 180
actgcaagta tatctggtgg agaagaagga cccaaaaaag acctgttctg tcagtgaatg 240
gataatctaa tgtgttcta gtaggcacag ggctcccagg ccaggcctca ttctcctctg 300
gcctctaata gtcaataatt gtgtagccat gcctatcagt aaaaagattt ttgagcaaac 360

```

<210> 439

<211> 431

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (431)

<223> n = A,T,C or G

<400> 439

```
<210> 440
<211> 523
<212> DNA
<213> Homo sapiens
```

```
<210> 441
<211> 430
<212> DNA
<213> Homo sapiens
```

```
<210> 442
<211> 362
<212> DNA
<213> Homo sapiens
```

```

<400> 442
ctaaggaatt agtagtgttc ccatcacttg tttggagtgt gctattctaa aagattttga 60
tttcttgga tgacaattat attttaactt tgggtgggga aagagttata ggaccacagt 120
cttcacttct gatacttgta aattaatctt ttattgcact tgttttgacc attaatgctat 180
atgttttagaa atgggtcattt tacggaaaaa ttagaaaaat tctgataata gtgcagaata 240
aatgaattaa tgttttactt aatttatatt gaactgtcaa tgacaaataa aaattctttt 300
tgattatttt ttgttttcat ttaccagaat aaaaactaag aattaaaagt ttgattacag 360
tc

```

<210> 443
 <211> 624
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(624)
 <223> n = A,T,C or G

<400> 443
 tttttttttt gcaacacaat atacatcaca gtgaaatgtg taatccttgc aaattgcaag 60
 ttgaaagaat taaattcaga ggaggggaga gaaagagtac tcagtaggga ctgagcacta 120
 aatgcttatt ttaaaagaaa tgtaaagagc agaaagcaat tcaggctacc ctgccttttg 180
 tgctggctag tactccggtc ggtgtcagca gcacgtggca ttgaacattg caatgtggag 240
 cccaaaccac agaaaatggg gtgaaattgg ccaactttct attaacttgg cttcctgttt 300
 tataaaatat tgtgaataat atcacctact tcaaagggca gttatgaggc ttaaataaac 360
 taacgcctac aaaacactta aacatagata acataggtgc aagtactatg tatctggtac 420
 atggtaaaca tccttattat taaagtcaac gctaaaatga atgtgtgtgc atatgctaata 480
 agtacagaga gagggcactt aaaccaacta agggcctgga ggggaagggtt cctggaaaga 540
 ngatgcttgt gctgggtcca aatcttggtc tactatgacc ttggccaaat tatttaaact 600
 ttgtccctat ctgctaaaca gatc 624

<210> 444
 <211> 425
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(425)
 <223> n = A,T,C or G

<400> 444
 gcacatcatt nntcttgcatt tctttgagaa taagaagatc agtaaatagt tcagaagtg 60
 gaagctttgt ccaggcctgt gtgtgaaccc aatgttttgc ttagaaatag aacaagtaag 120
 ttcattgcta tagcataaca caaaatttgc ataagtgggtg gtcagcaaat ccttgaatgc 180
 tgcttaaatgt gagaggttgg taaaatcctt tgtgcaacac tctaactccc tgaatgtttt 240
 gctgtgctgg gacctgtgca tgccagacaa ggccaagctg gctgaaagag caaccagcca 300
 cctctgcaat ctgccacctc ctgctggcag gatttgtttt tgcactctgt gaagagccaa 360
 ggaggcacca gggcataagt gagtagactt atggctgacg cggccgcgaa tttagtagta 420
 gtaga 425

<210> 445
 <211> 414
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(414)
 <223> n = A,T,C or G

<400> 445

```

catgtttatg nttttggatt actttgggca cctagtgttt ctaaatcgtc tatcattctt 60
ttctgttttt caaaagcaga gatggccaga gtctcaacaa actgtatctt caagtctttg 120
tgaaattctt tgcattgtggc agattatttg atgtagtctt ctttaactag catataaatc 180
tgggtgtgtt cagataaatg aacagcaaaa tgtggtggaa ttaccatttg gaacattgtg 240
aatgaaaaat tgtgtctcta gattatgtaa caaataacta tttcctaacc attgatcttt 300
ggatttttat aatcctactc acaaatgact aggccttctc tcttgtattt tgaagcagtg 360
tgggtgctgg attgataaaa aaaaaaaaag tcgacgcggc cgcgaattta gtag 414

```

<210> 446

<211> 631

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(631)

<223> n = A,T,C or G

<400> 446

```

acaaattaga anaaagtgcc agagaacacc acataccttg tccggaacat tacaatggct 60
tctgcatgca tgggaagtgt gagcattcta tcaatatgca ggagccatct tgcagggtgtg 120
atgctgggta tactggacaa cactgtgaaa aaaaggacta cagtgttcta tacgttggtc 180
ccggtcctgt acgatttcag tatgtcttaa tcgcagctgt gattggaaca attcagattg 240
ctgtcatctg tgtggtgggc ctctgcatca caagggccaa actttaggta atagcattgg 300
actgagattt gtaaaccttc caaccttcca ggaaatgccc cagaagcaac agaattcaca 360
gacagaagca aaatacaggg cactacagtt cagacaatac aacaagagcg tccacgaggt 420
taatctaaag ggagcatggt tcacagtggc tggactaccg agagcttgga ctacacaata 480
cagtattata gacaaaagaa taagacaaga gatctacaca tgttgcttg catttggtgtg 540
aatctacacc aatgaaaaca tgtactacag ctatatattga ttatgtatgg atatatattga 600
aatagtatac attgtcttga tgttttttct g 631

```

<210> 447

<211> 585

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(585)

<223> n = A,T,C or G

<400> 447

```

ccttgggaaa antntcacaa tataaagggt cgtagacttt actccaaatt ccaaaaagggt 60
cctggccatg taatcctgaa agttttccca aggtagctat aaaatcctta taagggtgca 120
gcctcttctg gaattcctct gatttcaaag tctcactctc aagttcttga aaacgagggc 180
agttcctgaa aggcagggtat agcaactgat ctacagaaag aggaactgtg tgcaccggga 240
tgggctgcca gagtaggata ggattccaga tgctgacacc ttctggggga aacagggtctg 300
ccagggttgt catagcactc atcaaagtcg ggtcaacgctc tgtgcttcga atataaacct 360
gttcatgttt ataggactca ttcaagaatt ttctatatct ctttcttata tactctccaa 420
gttcataatg ctgctccatg cccagctggg tgagttggcc aaatccttgt ggccatgagg 480
attcctttat ggggtcagtg ggaaagggtgt caatgggact tcggtctcca tgccgaaaca 540
ccaaagtcac aaacttcaac tccttgggta gtacacttcg gtcta 585

```

<210> 448

<211> 93
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(93)
 <223> n = A,T,C or G

<400> 448
 tgctcgtggg tcattctgan nnccgaactg accntgccag ccctgccgan gggccnccat 60
 ggctccctag tgccctggag agganggggc tag 93

<210> 449
 <211> 706
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(706)
 <223> n = A,T,C or G

<400> 449
 ccaagttcat gctntgtgct ggacgctgga cagggggcaa aagcnnttgc tegtgggtca 60
 ttctgancac cgaactgacc atgccagccc tgccgatggc cctccatggc tccctagtgc 120
 cctggagagg aggtgtctag tcagagagta gtccctggaag gtggcctctg ngaggagcca 180
 cggggacagc atcctgcaga tggtcgggag cgctccattc gccattcagg ctgcgcaact 240
 gttgggaagg gcgatcggtg cgggcctctt cgctattacg ccagctggcg aaagggggat 300
 gtgctgcaag gcgattaagt tgggtaacgc caggggtttc ccagtcncga cgttgtaaaa 360
 cgacggccag tgaattgaat ttaggtgacn ctatagaaga gctatgacgt cgcatgcacg 420
 cgtacgtaag cttggatcct ctagagcggc cgcctactac tactaaattc gcggccgcgt 480
 cgacgtggga tccnactga gagagtggag agtgacatgt gctggacnct gtccatgaag 540
 cactgagcag aagctggagg cacaacgcnc cagacactca cagctactca ggaggctgag 600
 aacagggttga acctgggagg tggagggttg aatgagctga gatcaggccn ctgcncccca 660
 gcatggatga cagagtga aa ctccatctta aaaaaaaaaa aaaaaa 706

<210> 450
 <211> 493
 <212> DNA
 <213> Homo sapiens

<400> 450
 gagacggagt gtcactctgt tgcccaggct ggagtgcagc aagacactgt ctaagaaaaa 60
 acagttttta aaggtaaaac aacataaaaa gaaatatcct atagtggaaa taagagagtc 120
 aaatgaggct gagaacttta caaagggatc ttacagacat gtgcgaata tcaactgcatg 180
 agcctaagta taagaacaac ctttggggag aaaccatcat ttgacagtga ggtacaattc 240
 caagtcaggc agtgaaatgg gtggaattaa actcaaatta atcctgccag ctgaaacgca 300
 agagacactg tcagagagtt aaaaagttag ttctatccat gaggtgattc cacagtcttc 360
 tcaagtcaac acatctgtga actcacagac caagttctta aaccactgtt caaactctgc 420
 tacacatcag aatcacctgg agagctttac aaactcccat tgccgagggt cgacgcggcc 480
 gcgaatttag tag 493

<210> 451

00651236-082900

<211> 501
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(501)
 <223> n = A,T,C or G

<400> 451
 gggcgcgtcc cattcgccat tcaggctgcg caactgttgg gaagggcgat cgggtgcgggc 60
 ctcttcgcta ttacgccagc tggcgaaagg gggatgtgct gcaaggcgat taagttgggt 120
 aacgccaggg ttttcccagt cncgacgttg taaaacgacg gccagtgaat tgaatttagg 180
 tgacnctata gaagagctat gacgtcgcat gcacgcgtac gtaagcttgg atcctctaga 240
 gcggccgctt actactacta aattcgcggc cgcgtcgacg tgggatccnc actgagagag 300
 tggagagtga catgtgctgg acnctgtcca tgaagcactg agcagaagct ggaggcacia 360
 cgcncagac actcacagct actcaggagg ctgagaacag gttgaacctg ggaggtggag 420
 gttgcaatga gctgagatca ggccnctgcn cccagcatg gatgacagag tgaaactcca 480
 tcttaaaaaa aaaaaaaaaa a 501

<210> 452
 <211> 51
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(51)
 <223> n = A,T,C or G

<400> 452
 agacgggttc accnttacia cnccttttag gatgggnntt ggggagcaag c 51

<210> 453
 <211> 317
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(317)
 <223> n = A,T,C or G

<400> 453
 tacatcttgc tttttcccca ttggaactag tcattaaccc atctctgaac tggtagaaaa 60
 acatctgaag agctagtcta tcagcatctg gcaagtgaat tggatggttc tcagaaccat 120
 ttcacccana cagcctgttt ctatcctgtt taataaatta gtttgggttc tctacatgca 180
 taacaaaccc tgctccaatc tgtcacataa aagtctgtga cttgaagttt antcagcacc 240
 cccaccaaac tttatttttc tatgtgtttt ttgcaacata tgagtgtttt gaaaataagg 300
 taccatgtc tttatta 317

<210> 454
 <211> 231
 <212> DNA

00651236.082900

<213> Homo sapiens

<400> 454

```
ttcgaggtag aatcaactct cagagtgtag tttccttcta tagatgagtc agcattaata 60
taagccacgc cacgctcttg aaggagtctt gaattctcct ctgctcactc agtagaacca 120
agaagaccaa attcttctgc atcccagctt gcaaacaaaa ttgttcttct aggtctccac 180
ccttcctttt tcagtgttcc aaagctcctc acaatttcat gaacaacagc t 231
```

<210> 455

<211> 231

<212> DNA

<213> Homo sapiens

<400> 455

```
taccaaagag ggcataataa tcagtctcac agtaggggtc accatcctcc aagtgaaaaa 60
cattgttccg aatgggcttt ccacaggcta cacacacaaa acaggaaaca tgccaagttt 120
gtttcaacgc attgatgact tctccaagga tcttcctttg gcacgacca cattcagggg 180
caaagaattt ctcatagcac agctcacaat acagggtctc tttctcctct a 231
```

<210> 456

<211> 231

<212> DNA

<213> Homo sapiens

<400> 456

```
ttggcaggta cccttacaaa gaagacacca taccttatgc gttattaggt ggaataatca 60
ttccattcag tattatcggt attattcttg gagaaaccct gtctgtttac tgtaaccttt 120
tgcaactcaa ttcctttatc aggaataact acatagccac tatttacaaa gccattggaa 180
cctttttatt tgggtgcagct gctagtcagt ccttgactga cattgccaag t 231
```

<210> 457

<211> 231

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(231)

<223> n = A,T,C or G

<400> 457

```
cgaggtagcc aggggtctga aaatctctnn tttantagtc gatagcaaaa ttgttcatca 60
gcattcctta atatgatctt gctataatta gatttttctc cattagagtt catacagttt 120
tatttgattt tattagcaat ctctttcaga agacccttga gatcattaag ctttgtatcc 180
agttgtctaa atcgatgcct catttctctt gaggtgtcgc tggcttttgt g 231
```

<210> 458

<211> 231

<212> DNA

<213> Homo sapiens

<400> 458

```
aggtctgggt cccccactt ccactccct ctactctctc taggactggg ctgggccaag 60
agaagagggg tggttagggg agcgtttgag acctgaagcc ccacctcta ccttcttca 120
```

acaccctaac cttgggtaac agcatttgga attatcattt gggatgagta gaatttccaa 180
 ggtcctgggt taggcatttt ggggggccag accccaggag aagaagattc t 231

<210> 459

<211> 231

<212> DNA

<213> Homo sapiens

<400> 459

ggtaccgagg ctcgctgaca cagagaaacc ccaacgcgag gaaaggaatg gccagccaca 60
 ccttcgcgaa acctgtggtg gccaccagt cctaacggga caggacagag agacagagca 120
 gccctgcact gttttccctc caccacagcc atcctgtccc tcattggctc tgtgctttcc 180
 actatacaca gtcaccgtcc caatgagaaa caagaaggag caccctccac a 231

<210> 460

<211> 231

<212> DNA

<213> Homo sapiens

<400> 460

gcaggtataa catgctgcaa caacagatgt gactaggaac ggccggtgac atggggaggg 60
 cctatcaccc tattcttggg ggctgcttct tcacagtgat catgaagcct agcagcaaat 120
 cccacctccc cacacgcaca cggccagcct ggagcccaca gaagggtcct cctgcagcca 180
 gtggagcttg gtccagcctc cagtccaccc ctaccaggct taaggataga a 231

<210> 461

<211> 231

<212> DNA

<213> Homo sapiens

<400> 461

cgaggtttga gaagctctaa tgtgcagggg agccgagaag caggcggcct agggaggggtc 60
 gcgtgtgctc cagaagagtg tgtgcatgcc agaggggaaa caggcgcctg tgtgtcctgg 120
 gtgggggttca gtgaggagtg ggaaattggt tcagcagaac caagccgttg ggtgaataag 180
 agggggattc catggcactg atagagccct atagtctcag agctgggaat t 231

<210> 462

<211> 231

<212> DNA

<213> Homo sapiens

<400> 462

aggtaccctc attgtagcca tgggaaaatt gatgttcagt ggggatcagt gaattaaatg 60
 gggatcatgca agtataaaaa ttaaaaaaaa aagacttcat gcccaatctc atatgatgtg 120
 gaagaactgt tagagagacc aacagggtag tgggttagag atttccagag tcttacattt 180
 tctagaggag gtattttaatt tcttctcact catccagtgt tgtatttagg a 231

<210> 463

<211> 231

<212> DNA

<213> Homo sapiens

<400> 463

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<213> Homo sapiens

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 <213> Homo sapiens

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<213> Homo sapiens

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<210> 474

<211> 1594

<212> DNA

<213> Homo sapiens

<400> 474

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<211> 2414

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (33)

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<400> 475

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<210> 476

<211> 3434

<212> DNA

<213> Homo sapiens

<400> 476

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<210> 477

<211> 140

<212> PRT

<213> Homo sapiens

<400> 477

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His	Tyr	His	Arg	Asp	Thr	Asp	Thr	Arg	Arg	His	His	His	Met	Asp	Thr
			20					25					30		
Leu	Ser	His	Tyr	His	Arg	Asp	Thr	Arg	His	His	Thr	Val	Thr	Trp	Thr
		35					40					45			
His	His	His	Thr	His	Glu	His	Thr	Asp	Thr	Leu	Pro	Tyr	Gly	His	Trp
	50					55					60				
His	Thr	His	Cys	His	Thr	Val	Thr	Trp	Thr	His	Leu	His	Thr	Ile	Thr
	65				70					75				80	
Pro	Pro	His	Thr	Leu	Pro	Val	Asp	Thr	Arg	Thr	His	Arg	His	Cys	His
				85					90					95	
Thr	Asp	Thr	Gln	Asn	Thr	Val	Thr	Arg	Arg	His	His	His	Ala	Asp	Thr
			100					105					110		
Pro	Pro	Leu	Trp	Cys	Arg	Leu	Asn	Tyr	Pro	Ala	Gly	Gly	Thr	Ala	Val
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<210> 478

<211> 143

<212> PRT

<213> Homo sapiens

00651236-082900

<400> 478

Met Tyr Arg His Thr Glu Thr Leu Pro His Gly Asp Thr Val Thr Gln
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Ser His Gly His Thr Gly Ile Val Thr Trp Thr Asp Thr Gln Thr Tyr
 20 25 30

Gly Glu Ile Thr Trp Thr His His His Thr Ile Thr Gly Thr Gln Thr
 35 40 45

His Gly Asp Ile Thr Thr Trp Thr His Cys His Thr Thr Thr Gly Thr
 50 55 60

Arg Asp Ile Thr Leu Ser His Gly His Thr Ile Thr His Met Asn Thr
 65 70 75 80

Pro Thr His Cys His Met Asp Thr Gly Thr His Thr Ala Thr Leu Ser
 85 90 95

His Gly His Thr Ser Thr Pro Ser His His His Thr His Cys Leu Trp
 100 105 110

Thr Gln Gly His Thr Asp Thr Val Thr Gln Ile His Lys Thr Leu Ser
 115 120 125

His Gly Asp Ile Thr Met Gln Ile His His His Ser Gly Ala Val
 130 135 140

<210> 479

<211> 222

<212> PRT

<213> Homo sapiens

<400> 479

Met Tyr Arg His Thr Glu Thr Leu Pro His Gly Asp Thr Val Thr Gln
 5 10 15

Ser His Glu His Thr Gly Ile Val Thr Trp Thr Asp Thr Gln Thr Tyr
 20 25 30

Gly Glu Ile Thr Leu Thr His His His Thr Ile Thr Gly Thr Gln Thr
 35 40 45

His Gly Asp Ile Thr Thr Trp Thr His Cys His Thr Thr Thr Gly Thr
 50 55 60

Arg Asp Ile Thr Leu Ser His Gly His Thr Ile Thr His Met Asn Thr
 65 70 75 80

Pro Thr His Cys His Met Asp Thr Ala Thr His Thr Ala Thr Leu Ser
 85 90 95

His Gly His Thr Ser Ile Pro Ser His His His Thr His Cys His Val

006280-9225950

100 105 110
 Asp Thr Arg Thr His Arg His Cys His Thr Asp Thr Gln Asn Thr Val
 115 120 125
 Thr Arg Arg His His His Ala Asp Thr Pro Pro His Gly His Ser Thr
 130 135 140
 Arg His Ser Ala Thr Gln Ile His His His Thr Glu Met Arg Thr His
 145 150 155 160
 Cys His Thr Asp Thr Thr Thr Ser Leu Pro His Phe His Val Ser Ala
 165 170 175
 Gly Gly Val Gly Pro Thr Thr Leu Gly Ser Asn Arg Glu Ile Thr Trp
 180 185 190
 Thr Tyr Ser Glu Gly Lys Ile Phe Phe Tyr Phe Leu Gly Asn Gln Ala
 195 200 205
 Arg Leu Cys Leu Lys Lys Arg Lys Lys Lys Gln Tyr Thr Val
 210 215 220
 <210> 480
 <211> 144
 <212> PRT
 <213> Homo sapiens
 <400> 480
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 20 25 30
 Val Gly Phe Leu Val Val Lys Arg Gln Thr Ile Gly Arg Leu Glu Arg
 35 40 45
 Asp Phe Met Phe Lys Cys Arg Lys Gln Pro Gly Leu Pro Pro Ser Gly
 50 55 60
 Leu Cys Leu Leu Trp Pro Trp Pro Asn Leu Glu Phe Gly Arg Arg Gln
 65 70 75 80
 Asp Arg Leu Thr Trp Ser Ser Val Ser Val Ala Gly Val Cys Ala Cys
 85 90 95
 Arg Ala Arg Pro Gly Trp Leu Gly Glu Gln Pro Ala Thr Ser Ala Gly
 100 105 110
 Val Arg Leu Glu Gln Val Glu Gln Pro Pro Ala His Pro Leu Gln Glu
 115 120 125

00662280" 96275960

Ala Gly Val Ala Arg Phe Pro Arg Pro Glu Trp Val Pro Pro Asn Gly
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<210> 481
 <211> 167
 <212> PRT
 <213> Homo sapiens

<400> 481
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Ala Leu Ala Ala Thr Ser Ala Gly Val Arg Leu Glu Gly Val Asp Arg
 20 25 30

Pro Pro Thr Leu Pro Ser Gln Gly Ser Gly Trp Pro Cys Ser His Ser
 35 40 45

Leu Ser Gly Cys His Leu Met Ala Asp Gly Ala Lys Ala Leu Gly Lys
 50 55 60

Ala Asp Gly Pro Trp Pro Tyr Leu Phe Val Arg Arg Thr Asp Val Pro
 65 70 75 80

Cys Pro Ala Ala Ser Glu Val Gly Gly Cys Ala Pro Ser Ser Trp Arg
 85 90 95

Ala Leu Ala Glu Val Thr Gly Cys Ser Leu Gly Pro Leu Gly Leu Ala
 100 105 110

Gln His Ala Gln Ala Ser Val Leu Leu Leu Cys Tyr Lys Trp Ser His
 115 120 125

Ile Gly Glu Thr Ser Ser His Leu Arg Ser Lys Val Tyr Ala Ala Phe
 130 135 140

Gly Gly Ser Ser Pro Cys Leu Lys Gly Leu Met Ser Leu Trp Ala Ser
 145 150 155 160

Trp Leu Ser Arg Gly Arg Pro
 165

<210> 482
 <211> 143
 <212> PRT
 <213> Homo sapiens

<400> 482
 Met Glu Pro Tyr Arg Gly Asn Lys Lys Gln Val Gln Glu Lys Gly Val

005280" 9625950

5 10 15
 Pro Cys Leu Trp Gly Ser Ser Pro Cys Leu Arg Cys His Met Ala Leu
 20 25 30
 Arg Ala Ser Trp Leu Pro Gly Gly Gly Pro Gln Ala Ile Leu Gly Arg
 35 40 45
 Thr Leu Cys Ser Ser Ala Glu Ser Ser Gln Asp Cys His Pro Gly Gly
 50 55 60
 Pro Ser Ile Ala Leu Ala Lys Pro Cys Arg Gly Val Trp Leu Leu Phe
 65 70 75 80
 Glu Pro Ala Trp Pro Pro Trp His Ala Arg Ala Pro Gly Ala Gly Thr
 85 90 95
 Leu Leu Arg Val Cys Leu Ser Cys Leu Gly Cys His Leu Cys Gly Gly
 100 105 110
 Ala Ser Gly Gly Gly Gly Pro Ala Thr Asn Leu Thr Gln Ser Arg Lys
 115 120 125
 Trp Met Ala Met Phe Pro Gln Pro Glu Trp Leu Pro Pro Asp Gly
 130 135 140
 <210> 483
 <211> 143
 <212> PRT
 <213> Homo sapiens
 <400> 483
 Met Glu Thr Gln Arg Gly Asn Lys Gln Arg Ala Gln Glu Gln Gly Val
 5 10 15
 Cys Cys Leu Trp Gly Ser Ser Pro Cys Leu Gly Ser Tyr Gly Thr Ala
 20 25 30
 Gly Phe Leu Val Ala Lys Arg Arg Thr Thr Gly Leu Leu Glu Glu Asp
 35 40 45
 Phe Thr Phe Lys Cys Arg Lys Gln Pro Lys Leu Pro Ser Met Arg Leu
 50 55 60
 Ser Leu Leu Trp Pro Trp Arg Asp Leu Lys Phe Val Pro Arg Gln Asp
 65 70 75 80
 Lys Leu Thr Arg Ser Ser Val Ser Val Ala Gly Ala Tyr Ala Cys Arg
 85 90 95
 Ala Gly Pro Gly Trp Leu Lys Glu Gln Pro Ala Thr Ser Ala Arg Val
 100 105 110

005280" 082900

Arg Leu Val Gln Ala Glu His Pro Pro Pro His Pro Leu Glu Glu Val
 115 120 125

Gly Met Ala Arg Phe Pro Gln Pro Glu Cys Leu Pro Pro Tyr Cys
 130 135 140

<210> 484
 <211> 30
 <212> PRT
 <213> Homo Sapien

<400> 484
 Thr Ala Ala Ser Asp Asn Phe Gln Leu Ser Gln Gly Gly Gln Gly Phe
 1 5 10 15
 Ala Ile Pro Ile Gly Gln Ala Met Ala Ile Ala Gly Gln Ile
 20 25 30

<210> 485
 <211> 31
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Made in a lab

<400> 485
 gggaagctta tcacctatgt gccgcctctg c 31

<210> 486
 <211> 27
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Made in a lab

<400> 486
 gccgaattctc acgctgagta tttggcc 27

<210> 487
 <211> 36
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Made in a lab

<400> 487
 cccgaattct tagctgccca tccgaacgcc ttcac 36

<210> 488
 <211> 33
 <212> DNA
 <213> Artificial Sequence

00651236-032900

<220>

<223> Made in a lab

<400> 488

gggaagcttc ttccccggct gcaccagctg tgc

33

<210> 489

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Made in a lab

<400> 489

Met	Asp	Arg	Leu	Val	Gln	Arg	Phe	Gly	Thr	Arg	Ala	Val	Tyr	Leu	Ala
1				5					10					15	

Ser Val Ala

<210> 490

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Made in a lab

<400> 490

Tyr	Leu	Ala	Ser	Val	Ala	Ala	Phe	Pro	Val	Ala	Ala	Gly	Ala	Thr	Cys
1				5					10					15	

Leu	Ser	His	Ser
			20

<210> 491

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Made in a lab

<400> 491

Thr	Cys	Leu	Ser	His	Ser	Val	Ala	Val	Val	Thr	Ala	Ser	Ala	Ala	Leu
1				5					10					15	

Thr	Gly	Phe	Thr
			20

<210> 492

<211> 20

<212> PRT

<213> Artificial Sequence

005230" SECT5950

<212> PRT
 <213> Artificial Sequence

<220>
 <223> Made in a lab

<400> 496
 Ala Pro Phe Pro Asn Gly His Val Gly Ala Gly Gly Ser Gly Leu Leu
 1 5 10 15
 Pro Pro Pro Pro Ala
 20

<210> 497
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Made in a lab

<400> 497
 Leu Leu Pro Pro Pro Pro Ala Leu Cys Gly Ala Ser Ala Cys Asp Val
 1 5 10 15
 Ser Val Arg Val
 20

<210> 498
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Made in a lab

<400> 498
 Asp Val Ser Val Arg Val Val Val Gly Glu Pro Thr Glu Ala Arg Val
 1 5 10 15
 Val Pro Gly Arg
 20

<210> 499
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Made in a lab

<400> 499
 Arg Val Val Pro Gly Arg Gly Ile Cys Leu Asp Leu Ala Ile Leu Asp
 1 5 10 15
 Ser Ala Phe Leu
 20

005280" 9C2T5960

<210> 500
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Made in a lab

<400> 500
 Leu Asp Ser Ala Phe Leu Leu Ser Gln Val Ala Pro Ser Leu Phe Met
 1 5 10 15
 Gly Ser Ile Val
 20

<210> 501
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Made in a lab

<400> 501
 Phe Met Gly Ser Ile Val Gln Leu Ser Gln Ser Val Thr Ala Tyr Met
 1 5 10 15
 Val Ser Ala Ala
 20

<210> 502
 <211> 414
 <212> DNA
 <213> Homo Sapien

<220>
 <221> misc_feature
 <222> (1)...(414)
 <223> n=A,T,C or G

<400> 502
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 tcagtcggtg gaggagtcg ggggtcgct ggtcacgct gggacacctt tgacantcac 120
 ctgtagagtt tttggaatng acctcagtag caatgcaatg agctgggtcc gccaggctcc 180
 aggaaggagg ctggaatgga tcggagccat tgataattgt ccacantacg cgacctgggc 240
 gaaaggccga ttnatnatntt ccaaaacctn gaccacgggtg gatttgaaaa tgaccagtcc 300
 gacaaccgag gacacggcca cctatttttg tggcagaatg aatactggta atagtggttg 360
 gaagaatatt tggggcccag gcacctggt caccgtntcc tcagggaac ctaa 414

<210> 503
 <211> 379
 <212> DNA
 <213> Homo Sapien

<220>
 <221> misc_feature

00651236.082900

<222> (1)...(379)
 <223> n=A,T,C or G

<400> 503
 atnccgatggt gcttgggtcaa aggtgtccag tgtcagtcgg tggaggagtc cggggggtcgc 60
 ctgggtcacgc ctgggacacc cctgacactc acctgcaccg tntctggatt ngacatcagt 120
 agctatggag tgagctgggt ccgccaggct ccagggaagg ggctgggnata catcggatca 180
 ttagtagtag tggtagatctt tacgcgagct gggcgaaagg ccgattcacc atttccaaaa 240
 cctngaccac ggtggatttg aaaatcacca gtttgacaac cgaggacacg gccacctatt 300
 tntgtgccag agggggggttt aattataaag acatttggggg cccaggcacc ctgggtcaccg 360
 tntccttagg gcaacctaa 379

<210> 504
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Made in a lab

<400> 504
 Gly Phe Thr Asn Tyr Thr Asp Phe Glu Asp Ser Pro Tyr Phe Lys Glu
 1 5 10 15
 Asn Ser Ala

<210> 505
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Made in a lab

<400> 505
 Lys Glu Asn Ser Ala Phe Pro Pro Phe Cys Cys Asn Asp Asn Val Thr
 1 5 10 15
 Asn Thr Ala Asn
 20

<210> 506
 <211> 407
 <212> DNA
 <213> Homo Sapien

<400> 506
 atggagacag gacctgcgtg gcttctctctg gtcgctgcgc tcaaagggtgt ccagtgtcag 60
 tcgctggagg agtcgggggg tcgctgggtc acgcctggga caccctgac actcacctgc 120
 accgtctctg gattctccct cagtagcaat gcaatgatct gggtcgcca ggctccaggg 180
 aaggggctgg aatacatcgg atacattagt tatgggtggtg gcgcatacta cgcgagctgg 240
 gtgaaaggcc gattcaccat ctccaaaacc tcgaccacgg tggatctgag aatgaccagt 300
 ctgacaaccg aggacacggc cacctatttc tgtgccagaa atagtgattt tagtggtatg 360
 ttgtggggcc caggcaccct ggtcacctgc tcctcagggc aacctaa 407

005280" 96275950

<210> 507
 <211> 422
 <212> DNA
 <213> Homo Sapien

<400> 507
 atggagacag gcctgcgctg gcttctcctg gtcgctgtgc tcaaaggtgt ccagtgtcag 60
 tcggtggagg agtcggggg tcgcctgggc acgcctggga caccctgac actcacctgt 120
 acagtctctg gattctccct cagcaactac gacctgaact gggtcggcca ggctccaggg 180
 aaggggctgg aatggatcgg gatcattaat tatgttggtg ggacggacta cgcgaactgg 240
 gcaaaaggcc ggttcaccat ctccaaaacc tcgaccaccg tggatctcaa gatcgccagt 300
 ccgacaaccg aggacacggc cacctatttc tgtgccagag ggtggaagtg cgatgagtct 360
 ggtccgtgct tgcgcactct gggcccaggc accctgggtc ccgtctcctt agggcaacct 420
 aa 422

<210> 508
 <211> 411
 <212> DNA
 <213> Homo Sapien

<220>
 <221> misc_feature
 <222> (1)...(411)
 <223> n=A,T,C or G

<400> 508
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 cgggtggagga gtccgggggt cgcttggtca cgctgggac acccctgaca ctcacctgca 120
 cagtctctgg aatcgacctc agtagctact gcatgagctg ggtccggccag gctccagggg 180
 aggggctgga atggatcgga atcattggta ctcttggtga cacatactac gcgaggtggg 240
 cgaaaggccg attcaccatc tccaaaacct cgaccacggg gcatntgaaa atcnccagtc 300
 cgacaaccga ggacacggcc acctatttct gtgccagaga tcttcgggat ggtagtagta 360
 ctgggttatta taaaatctgg ggcccaggca ccctgggtcac cgtctccttg g 411

<210> 509
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Made in a lab

<400> 509
 Leu Cys Lys Phe Thr Glu Trp Ile Glu Lys Thr Val Gln Ala Ser
 1 5 10 15

<210> 510
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Made in a lab

006380 " 9123150

<400> 510
 Pro Glu Tyr Asn Arg Pro Leu Leu Ala Asn Asp Leu Met Leu Ile
 1 5 10 15

<210> 511
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Made in a lab

<400> 511

Tyr His Pro Ser Met Phe Cys Ala Gly Gly Gly Gln Asp Gln Lys
 1 5 10 15

<210> 512
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Made in a lab

<400> 512
 Asp Ser Gly Gly Pro Leu Ile Cys Asn Gly Tyr Leu Gln Gly Leu
 1 5 10 15

<210> 513
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Made in a lab

<400> 513
 Ala Pro Cys Gly Gln Val Gly Val Pro Asx Val Tyr Thr Asn Leu
 1 5 10 15

<210> 514
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Made in a lab

<400> 514
 Leu Cys Lys Phe Thr Glu Trp Ile Glu Lys Thr Val Gln Ala Ser
 1 5 10 15

005230" 9C2T5950

<210> 515
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Made in a lab

<400> 515
 Met Val Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg
 1 5 10 15

<210> 516
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Made in a lab

<400> 516
 Val Ser Glu Ser Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln
 1 5 10 15

<210> 517
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Made in a lab

<400> 517
 Glu Val Cys Ser Lys Leu Tyr Asp Pro Leu Tyr His Pro Ser Met
 1 5 10 15

<210> 518
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Made in a lab

<400> 518
 Arg Ala Glu Pro Gly Thr Glu Ala Arg Arg His Tyr Asp Glu Gly
 1 5 10 15

<210> 519
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>

00651236.082900

<223> Made in a lab

<400> 519

Arg Ala Glu Pro Gly Thr Glu Ala Arg Arg Asn Tyr Asp Glu Gly Cys
 1 5 10 15
 Gly

<210> 520

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Made in a lab

<400> 520

Val Gly Glu Gly Leu Tyr Gln Gly Val Pro Arg Ala Glu Pro Gly Thr
 1 5 10 15
 Glu Ala Arg Arg His Tyr Asp Glu Gly
 20 25

<210> 521

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Made in a lab

<400> 521

Ala Pro Phe Pro Asn Gly His Val Gly Ala Gly Gly Ser Gly Leu Leu
 1 5 10 15
 Pro Pro Pro Pro Ala
 20

<210> 522

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Made in a lab

<400> 522

Leu Leu Val Val Pro Ala Ile Lys Lys Asp Tyr Gly Ser Gln Glu Asp
 1 5 10 15
 Phe Thr Gln Val
 20

<210> 523

<211> 254

<212> PRT

<213> Artificial Sequence

006280" 9C4T5960

<223> Made in a lab

<221> VARIANT

<222> (1) ... (254)

<223> Xaa = any amino acid

<400> 523

Met	Ala	Thr	Ala	Gly	Asn	Pro	Trp	Gly	Trp	Phe	Leu	Gly	Tyr	Leu	Ile
1				5					10					15	
Leu	Gly	Val	Ala	Gly	Ser	Leu	Val	Ser	Gly	Ser	Cys	Ser	Gln	Ile	Ile
			20					25					30		
Asn	Gly	Glu	Asp	Cys	Ser	Pro	His	Ser	Gln	Pro	Trp	Gln	Ala	Ala	Leu
		35				40						45			
Val	Met	Glu	Asn	Glu	Leu	Phe	Cys	Ser	Gly	Val	Leu	Val	His	Pro	Gln
	50					55					60				
Trp	Val	Leu	Ser	Ala	Thr	His	Cys	Phe	Gln	Asn	Ser	Tyr	Thr	Ile	Gly
65				70				75					80		
Leu	Gly	Leu	His	Ser	Leu	Glu	Ala	Asp	Gln	Glu	Pro	Gly	Ser	Gln	Met
			85					90					95		
Val	Glu	Ala	Ser	Leu	Ser	Val	Arg	His	Pro	Glu	Tyr	Asn	Arg	Pro	Leu
		100					105					110			
Leu	Ala	Asn	Asp	Leu	Met	Leu	Ile	Lys	Leu	Asp	Glu	Ser	Val	Ser	Glu
		115				120					125				
Ser	Asp	Thr	Ile	Arg	Ser	Ile	Ser	Ile	Ala	Ser	Gln	Cys	Pro	Thr	Ala
	130				135				140						
Gly	Asn	Ser	Cys	Leu	Val	Ser	Gly	Trp	Gly	Leu	Leu	Ala	Asn	Gly	Arg
145				150				155					160		
Met	Pro	Thr	Val	Leu	Gln	Cys	Val	Asn	Val	Ser	Val	Val	Ser	Glu	Glu
			165					170					175		
Val	Cys	Ser	Lys	Leu	Tyr	Asp	Pro	Leu	Tyr	His	Pro	Ser	Met	Phe	Cys
		180				185						190			
Ala	Gly	Gly	Gly	Gln	Xaa	Gln	Xaa	Asp	Ser	Cys	Asn	Gly	Asp	Ser	Gly
		195			200			205				210			
Gly	Pro	Leu	Ile	Cys	Asn	Gly	Tyr	Leu	Gln	Gly	Leu	Val	Ser	Phe	Gly
	210				215			220				225			
Lys	Ala	Pro	Cys	Gly	Gln	Val	Gly	Val	Pro	Gly	Val	Tyr	Thr	Asn	Leu
225				230				235							240
Cys	Lys	Phe	Thr	Glu	Trp	Ile	Glu	Lys	Thr	Val	Gln	Ala	Ser		
			245					250							

<210> 524

<211> 765

<212> DNA

<213> Homo sapien

<400> 524

atggccacag	caggaaatcc	ctggggctgg	ttcctgggggt	acctcatcct	tgggtgtcgca	60
ggatcgctcg	tctctggtag	ctgcagccaa	atcataaacg	gcgaggactg	cagcccgcac	120
tgcgacccct	ggcaggcgccg	actggctcatg	gaaaacgaat	tgttctgctc	gggcgtcctg	180
gtgcatccgc	agtgggtgct	gtcagccgca	catgttttcc	agaacctcta	caccatcggg	240
ctgggctgtc	acagttctga	ggccgaccaa	qagccagggg	qccagatggt	ggaggccagc	300

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ctctccgtac ggcacccaga gtacaacaga cccttgctcg ctaacgacct catgctcatc 360
aagttggacg aatccgtgtc cgagtcctgac accatccgga gcatcagcat tgcttcgcag 420
tgccctaccg cgggggaactc ttgcctcggt tctggctggg gtctgctggc gaacggcaga 480
atgcctaccg tgctgcagtg cgtgaacgtg tcggtggtgt ctgaggaggt ctgcagtaag 540
ctctatgacc cgctgtacca ccccagcatg ttctgcgccg gcggagggca agaccagaag 600
gactcctgca acggtgactc tggggggccc ctgatctgca acgggtactt gcagggcctt 660
gtgtctttcg gaaaagcccc gtgtggccaa gttggcgtgc caggtgtcta caccaacctc 720
tgcaaattca ctgagtggat agagaaaacc gtccaggcca gttaa 765

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<210> 525
 <211> 254
 <212> PRT
 <213> Homo sapien

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<400> 525
Met Ala Thr Ala Gly Asn Pro Trp Gly Trp Phe Leu Gly Tyr Leu Ile
  1           5           10           15
Leu Gly Val Ala Gly Ser Leu Val Ser Gly Ser Cys Ser Gln Ile Ile
           20           25           30
Asn Gly Glu Asp Cys Ser Pro His Ser Gln Pro Trp Gln Ala Ala Leu
           35           40           45
Val Met Glu Asn Glu Leu Phe Cys Ser Gly Val Leu Val His Pro Gln
           50           55           60
Trp Val Leu Ser Ala Ala His Cys Phe Gln Asn Ser Tyr Thr Ile Gly
           65           70           75           80
Leu Gly Leu His Ser Leu Glu Ala Asp Gln Glu Pro Gly Ser Gln Met
           85           90           95
Val Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Pro Leu
           100          105          110
Leu Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser Glu
           115          120          125
Ser Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala
           130          135          140
Gly Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Gly Arg
           145          150          155          160
Met Pro Thr Val Leu Gln Cys Val Asn Val Ser Val Val Ser Glu Glu
           165          170          175
Val Cys Ser Lys Leu Tyr Asp Pro Leu Tyr His Pro Ser Met Phe Cys
           180          185          190
Ala Gly Gly Gly Gln Asp Gln Lys Asp Ser Cys Asn Gly Asp Ser Gly
           195          200          205
Gly Pro Leu Ile Cys Asn Gly Tyr Leu Gln Gly Leu Val Ser Phe Gly
           210          215          220
Lys Ala Pro Cys Gly Gln Val Gly Val Pro Gly Val Tyr Thr Asn Leu
           225          230          235          240
Cys Lys Phe Thr Glu Trp Ile Glu Lys Thr Val Gln Ala Ser
           245          250

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<210> 526
 <211> 963
 <212> DNA
 <213> Homo sapiens

<400> 526

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atgagttcct gcaacttcac acatgccacc tttgtgctta ttggtatccc aggattagag 60
aaagcccat tctgggttgg cttccccctc ctttccatgt atgtagtggc aatgtttgga 120
aactgcatcg tgggtcttcat cgtaaggacg gaacgcagcc tgcacgctcc gatgtacctc 180
tttctctgca tggcttgacg cattgacctg gccttatcca catccaccat gcctaagatc 240
cttgcccttt tctggtttga ttcccgagag attagctttg aggctgtct taccagatg 300
ttctttattc atgccctctc agccattgaa tccaccatcc tgcctggccat ggcctttgac 360
cgttatgtgg ccatctgcca cccactgcgc catgctgcag tgcctcaaca tacagtaaca 420
gcccagattg gcatcgtggc tgtgggtccg ggatccctct tttttttccc actgcctctg 480
ctgatcaagc ggctggcctt ctgccactcc aatgtcctct cgcactccta ttgtgtccac 540
caggatgtaa tgaagttggc ctatgcagac actttgcccc atgtgggtata tggctcttact 600
gccattctgc tgggtcatggg cgtggacgta atgttcatct ccttgtccta ttttctgata 660
atacgaacgg ttctgcaact gccttccaag tcagagcggg ccaaggcctt tggaaacctgt 720
gtgtcacaca ttggtgtggg actcgccttc tatgtgccac ttattggcct ctcagttgta 780
caccgctttg gaaacagcct tcatccatt gtgcgtgttg tcatgggtga catctacctg 840
ctgctgcctc ctgtcatcaa tcccatcatc tatggtgcca aaaccaaaca gatcagaaca 900
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tga 963

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<210> 527
<211> 320
<212> PRT
<213> Homo sapiens

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<400> 527
Met Ser Ser Cys Asn Phe Thr His Ala Thr Phe Val Leu Ile Gly Ile
      5                      10                      15

Pro Gly Leu Glu Lys Ala His Phe Trp Val Gly Phe Pro Leu Leu Ser
      20                      25                      30

Met Tyr Val Val Ala Met Phe Gly Asn Cys Ile Val Val Phe Ile Val
      35                      40                      45

Arg Thr Glu Arg Ser Leu His Ala Pro Met Tyr Leu Phe Leu Cys Met
      50                      55                      60

Leu Ala Ala Ile Asp Leu Ala Leu Ser Thr Ser Thr Met Pro Lys Ile
      65                      70                      75                      80

Leu Ala Leu Phe Trp Phe Asp Ser Arg Glu Ile Ser Phe Glu Ala Cys
      85                      90                      95

Leu Thr Gln Met Phe Phe Ile His Ala Leu Ser Ala Ile Glu Ser Thr
      100                     105                     110

Ile Leu Leu Ala Met Ala Phe Asp Arg Tyr Val Ala Ile Cys His Pro
      115                     120                     125

Leu Arg His Ala Ala Val Leu Asn Asn Thr Val Thr Ala Gln Ile Gly
      130                     135                     140

Ile Val Ala Val Val Arg Gly Ser Leu Phe Phe Phe Pro Leu Pro Leu
      145                     150                     155                     160

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00651336-033900

Leu Ile Lys Arg Leu Ala Phe Cys His Ser Asn Val Leu Ser His Ser
 165 170 175
 Tyr Cys Val His Gln Asp Val Met Lys Leu Ala Tyr Ala Asp Thr Leu
 180 185 190
 Pro Asn Val Val Tyr Gly Leu Thr Ala Ile Leu Leu Val Met Gly Val
 195 200 205
 Asp Val Met Phe Ile Ser Leu Ser Tyr Phe Leu Ile Ile Arg Thr Val
 210 215 220
 Leu Gln Leu Pro Ser Lys Ser Glu Arg Ala Lys Ala Phe Gly Thr Cys
 225 230 235 240
 Val Ser His Ile Gly Val Val Leu Ala Phe Tyr Val Pro Leu Ile Gly
 245 250 255
 Leu Ser Val Val His Arg Phe Gly Asn Ser Leu His Pro Ile Val Arg
 260 265 270
 Val Val Met Gly Asp Ile Tyr Leu Leu Leu Pro Pro Val Ile Asn Pro
 275 280 285
 Ile Ile Tyr Gly Ala Lys Thr Lys Gln Ile Arg Thr Arg Val Leu Ala
 290 295 300
 Met Phe Lys Ile Ser Cys Asp Lys Asp Leu Gln Ala Val Gly Gly Lys
 305 310 315 320

<210> 528
 <211> 20
 <212> DNA
 <213> Homo Sapien

<400> 528
 actatggtcc agaggctgtg 20

<210> 529
 <211> 20
 <212> DNA
 <213> Homo Sapien

<400> 529
 atcacctatg tgccgcctct 20

<210> 530
 <211> 1852
 <212> DNA
 <213> Homo sapiens

<400> 530
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<213> Homo sapiens

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 Tyr Asp Asp Ser Ala Phe Met Asp Pro Arg Tyr His Val His Gly Glu
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 85 90 95
 Lys Asp Leu Ile Val Met Leu Arg Asp Thr Asp Val Asn Lys Arg Asp
 100 105 110
 Lys Gln Lys Arg Thr Ala Leu His Leu Ala Ser Ala Asn Gly Asn Ser
 115 120 125
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 130 135 140
 Asp Asn Lys Lys Arg Thr Ala Leu Thr Lys Ala Val Gln Cys Gln Glu
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 Asp Lys Leu Met Ala Lys Ala Leu Leu Leu Tyr Gly Ala Asp Ile Glu
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 Ser Lys Asn Lys His Gly Leu Thr Pro Leu Leu Leu Gly Ile His Glu
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<211> 1228

<212> PRT

<213> Homo sapiens

<400> 537

Met Leu Pro Val Tyr Gln Glu Val Lys Pro Asn Pro Leu Gln Asp Ala
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Asn Leu Cys Ser Arg Val Phe Phe Trp Trp Leu Asn Pro Leu Phe Lys
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Ile Gly His Lys Arg Arg Leu Glu Glu Asp Asp Met Tyr Ser Val Leu

35					40					45					
Pro	Glu	Asp	Arg	Ser	Gln	His	Leu	Gly	Glu	Glu	Leu	Gln	Gly	Phe	Trp
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Asp	Lys	Glu	Val	Leu	Arg	Ala	Glu	Asn	Asp	Ala	Gln	Lys	Pro	Ser	Leu
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Thr	Arg	Ala	Ile	Ile	Lys	Cys	Tyr	Trp	Lys	Ser	Tyr	Leu	Val	Leu	Gly
				85					90					95	
Ile	Phe	Thr	Leu	Ile	Glu	Glu	Ser	Ala	Lys	Val	Ile	Gln	Pro	Ile	Phe
			100					105					110		
Leu	Gly	Lys	Ile	Ile	Asn	Tyr	Phe	Glu	Asn	Tyr	Asp	Pro	Met	Asp	Ser
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Val	Ala	Leu	Asn	Thr	Ala	Tyr	Ala	Tyr	Ala	Thr	Val	Leu	Thr	Phe	Cys
		130					135					140			
Thr	Leu	Ile	Leu	Ala	Ile	Leu	His	His	Leu	Tyr	Phe	Tyr	His	Val	Gln
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Cys	Ala	Gly	Met	Arg	Leu	Arg	Val	Ala	Met	Cys	His	Met	Ile	Tyr	Arg
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Lys	Ala	Leu	Arg	Leu	Ser	Asn	Met	Ala	Met	Gly	Lys	Thr	Thr	Thr	Gly
			180					185					190		
Gln	Ile	Val	Asn	Leu	Leu	Ser	Asn	Asp	Val	Asn	Lys	Phe	Asp	Gln	Val
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Thr	Val	Phe	Leu	His	Phe	Leu	Trp	Ala	Gly	Pro	Leu	Gln	Ala	Ile	Ala
		210					215					220			
Val	Thr	Ala	Leu	Leu	Trp	Met	Glu	Ile	Gly	Ile	Ser	Cys	Leu	Ala	Gly
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Met	Ala	Val	Leu	Ile	Ile	Leu	Leu	Pro	Leu	Gln	Ser	Cys	Phe	Gly	Lys
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			260					265					270		
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Tyr	Ala	Trp	Glu	Lys	Ser	Phe	Ser	Asn	Leu	Ile	Thr	Asn	Leu	Arg	Lys
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Lys	Glu	Ile	Ser	Lys	Ile	Leu	Arg	Ser	Ser	Cys	Leu	Arg	Gly	Met	Asn
305					310					315					320
Leu	Ala	Ser	Phe	Phe	Ser	Ala	Ser	Lys	Ile	Ile	Val	Phe	Val	Thr	Phe

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325								330				335			
Thr	Thr	Tyr	Val 340	Leu	Leu	Gly	Ser	Val 345	Ile	Thr	Ala	Ser	Arg 350	Val	Phe
Val	Ala	Val 355	Thr	Leu	Tyr	Gly	Ala 360	Val	Arg	Leu	Thr	Val 365	Thr	Leu	Phe
Phe	Pro 370	Ser	Ala	Ile	Glu	Arg 375	Val	Ser	Glu	Ala	Ile 380	Val	Ser	Ile	Arg
Arg 385	Ile	Gln	Thr	Phe	Leu 390	Leu	Leu	Asp	Glu	Ile 395	Ser	Gln	Arg	Asn	Arg 400
Gln	Leu	Pro	Ser	Asp 405	Gly	Lys	Lys	Met	Val 410	His	Val	Gln	Asp	Phe 415	Thr
Ala	Phe	Trp	Asp 420	Lys	Ala	Ser	Glu	Thr 425	Pro	Thr	Leu	Gln	Gly 430	Leu	Ser
Phe	Thr 435	Val	Arg	Pro	Gly	Glu	Leu 440	Leu	Ala	Val	Val	Gly 445	Pro	Val	Gly
Ala	Gly 450	Lys	Ser	Ser	Leu	Leu 455	Ser	Ala	Val	Leu	Gly 460	Glu	Leu	Ala	Pro
Ser 465	His	Gly	Leu	Val	Ser 470	Val	His	Gly	Arg	Ile 475	Ala	Tyr	Val	Ser	Gln 480
Gln	Pro	Trp	Val	Phe 485	Ser	Gly	Thr	Leu	Arg 490	Ser	Asn	Ile	Leu	Phe 495	Gly
Lys	Lys	Tyr	Glu 500	Lys	Glu	Arg	Tyr	Glu 505	Lys	Val	Ile	Lys	Ala 510	Cys	Ala
Leu	Lys 515	Lys	Asp	Leu	Gln	Leu	Leu 520	Glu	Asp	Gly	Asp	Leu 525	Thr	Val	Ile
Gly	Asp 530	Arg	Gly	Thr	Thr	Leu 535	Ser	Gly	Gly	Gln	Lys 540	Ala	Arg	Val	Asn
Leu 545	Ala	Arg	Ala	Val	Tyr 550	Gln	Asp	Ala	Asp	Ile 555	Tyr	Leu	Leu	Asp	Asp 560
Pro	Leu	Ser	Ala	Val 565	Asp	Ala	Glu	Val	Ser 570	Arg	His	Leu	Phe	Glu 575	Leu
Cys	Ile	Cys	Gln 580	Ile	Leu	His	Glu	Lys 585	Ile	Thr	Ile	Leu	Val 590	Thr	His
Gln	Leu 595	Gln	Tyr	Leu	Lys	Ala	Ala 600	Ser	Gln	Ile	Leu	Ile 605	Leu	Lys	Asp
Gly	Lys	Met	Val	Gln	Lys	Gly	Thr	Tyr	Thr	Glu	Phe	Leu	Lys	Ser	Gly

610	615	620
Ile Asp Phe Gly Ser Leu Leu Lys Lys Asp Asn Glu Glu Ser Glu Gln 625 630 635 640		
Pro Pro Val Pro Gly Thr Pro Thr Leu Arg Asn Arg Thr Phe Ser Glu 645 650 655		
Ser Ser Val Trp Ser Gln Gln Ser Ser Arg Pro Ser Leu Lys Asp Gly 660 665 670		
Ala Leu Glu Ser Gln Asp Thr Glu Asn Val Pro Val Thr Leu Ser Glu 675 680 685		
Glu Asn Arg Ser Glu Gly Lys Val Gly Phe Gln Ala Tyr Lys Asn Tyr 690 695 700		
Phe Arg Ala Gly Ala His Trp Ile Val Phe Ile Phe Leu Ile Leu Leu 705 710 715 720		
Asn Thr Ala Ala Gln Val Ala Tyr Val Leu Gln Asp Trp Trp Leu Ser 725 730 735		
Tyr Trp Ala Asn Lys Gln Ser Met Leu Asn Val Thr Val Asn Gly Gly 740 745 750		
Gly Asn Val Thr Glu Lys Leu Asp Leu Asn Trp Tyr Leu Gly Ile Tyr 755 760 765		
Ser Gly Leu Thr Val Ala Thr Val Leu Phe Gly Ile Ala Arg Ser Leu 770 775 780		
Leu Val Phe Tyr Val Leu Val Asn Ser Ser Gln Thr Leu His Asn Lys 785 790 795 800		
Met Phe Glu Ser Ile Leu Lys Ala Pro Val Leu Phe Phe Asp Arg Asn 805 810 815		
Pro Ile Gly Arg Ile Leu Asn Arg Phe Ser Lys Asp Ile Gly His Leu 820 825 830		
Asp Asp Leu Leu Pro Leu Thr Phe Leu Asp Phe Ile Gln Thr Leu Leu 835 840 845		
Gln Val Val Gly Val Val Ser Val Ala Val Ala Val Ile Pro Trp Ile 850 855 860		
Ala Ile Pro Leu Val Pro Leu Gly Ile Ile Phe Ile Phe Leu Arg Arg 865 870 875 880		
Tyr Phe Leu Glu Thr Ser Arg Asp Val Lys Arg Leu Glu Ser Thr Thr 885 890 895		
Arg Ser Pro Val Phe Ser His Leu Ser Ser Ser Leu Gln Gly Leu Trp		

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		915					920					925			
Ala	His	Gln	Asp	Leu	His	Ser	Glu	Ala	Trp	Phe	Leu	Phe	Leu	Thr	Thr
		930				935					940				
Ser	Arg	Trp	Phe	Ala	Val	Arg	Leu	Asp	Ala	Ile	Cys	Ala	Met	Phe	Val
945					950					955					960
Ile	Ile	Val	Ala	Phe	Gly	Ser	Leu	Ile	Leu	Ala	Lys	Thr	Leu	Asp	Ala
				965					970					975	
Gly	Gln	Val	Gly	Leu	Ala	Leu	Ser	Tyr	Ala	Leu	Thr	Leu	Met	Gly	Met
			980					985					990		
Phe	Gln	Trp	Cys	Val	Arg	Gln	Ser	Ala	Glu	Val	Glu	Asn	Met	Met	Ile
		995					1000					1005			
Ser	Val	Glu	Arg	Val	Ile	Glu	Tyr	Thr	Asp	Leu	Glu	Lys	Glu	Ala	Pro
		1010				1015					1020				
Trp	Glu	Tyr	Gln	Lys	Arg	Pro	Pro	Pro	Ala	Trp	Pro	His	Glu	Gly	Val
1025					1030					1035					1040
Ile	Ile	Phe	Asp	Asn	Val	Asn	Phe	Met	Tyr	Ser	Pro	Gly	Gly	Pro	Leu
				1045					1050					1055	
Val	Leu	Lys	His	Leu	Thr	Ala	Leu	Ile	Lys	Ser	Gln	Glu	Lys	Val	Gly
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Ile	Val	Gly	Arg	Thr	Gly	Ala	Gly	Lys	Ser	Ser	Leu	Ile	Ser	Ala	Leu
		1075					1080					1085			
Phe	Arg	Leu	Ser	Glu	Pro	Glu	Gly	Lys	Ile	Trp	Ile	Asp	Lys	Ile	Leu
		1090				1095					1100				
Thr	Thr	Glu	Ile	Gly	Leu	His	Asp	Leu	Arg	Lys	Lys	Met	Ser	Ile	Ile
1105					1110					1115					1120
Pro	Gln	Glu	Pro	Val	Leu	Phe	Thr	Gly	Thr	Met	Arg	Lys	Asn	Leu	Asp
				1125					1130					1135	
Pro	Phe	Asn	Glu	His	Thr	Asp	Glu	Glu	Leu	Trp	Asn	Ala	Leu	Gln	Glu
			1140					1145					1150		
Val	Gln	Leu	Lys	Glu	Thr	Ile	Glu	Asp	Leu	Pro	Gly	Lys	Met	Asp	Thr
		1155					1160					1165			
Glu	Leu	Ala	Glu	Ser	Gly	Ser	Asn	Phe	Ser	Val	Gly	Gln	Arg	Gln	Leu
		1170				1175					1180				
Val	Cys	Leu	Ala	Arg	Ala	Ile	Leu	Arg	Lys	Asn	Gln	Ile	Leu	Ile	Ile

1185 1190 1195 1200

Asp Glu Ala Thr Ala Asn Val Asp Pro Arg Thr Asp Glu Leu Ile Gln
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Lys Lys Ser Gly Arg Asn Leu Pro Thr Ala Pro Cys
1220 1225

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20 25 30

Gln Lys Pro Ser Leu Thr Arg Ala Ile Ile Lys Cys Tyr Trp Lys Ser
35 40 45

Tyr Leu Val Leu Gly Ile Phe Thr Leu Ile Glu Glu Ser Ala Lys Val
50 55 60

Ile Gln Pro Ile Phe Leu Gly Lys Ile Ile Asn Tyr Phe Glu Asn Tyr
65 70 75 80

Asp Pro Met Asp Ser Val Ala Leu Asn Thr Ala Tyr Ala Tyr Ala Thr
85 90 95

Val Leu Thr Phe Cys Thr Leu Ile Leu Ala Ile Leu His His Leu Tyr
100 105 110

Phe Tyr His Val Gln Cys Ala Gly Met Arg Leu Arg Val Ala Met Cys
115 120 125

His Met Ile Tyr Arg Lys Ala Leu Arg Leu Ser Asn Met Ala Met Gly
130 135 140

Lys Thr Thr Thr Gly Gln Ile Val Asn Leu Leu Ser Asn Asp Val Asn
145 150 155 160

Lys Phe Asp Gln Val Thr Val Phe Leu His Phe Leu Trp Ala Gly Pro
165 170 175

Leu Gln Ala Ile Ala Val Thr Ala Leu Leu Trp Met Glu Ile Gly Ile
180 185 190

Ser Cys Leu Ala Gly Met Ala Val Leu Ile Ile Leu Leu Pro Leu Gln
195 200 205

Ser Cys Phe Gly Lys Leu Phe Ser Ser Leu Arg Ser Lys Thr Ala Thr

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210 215 220
 Phe Thr Asp Ala Arg Ile Arg Thr Met Asn Glu Val Ile Thr Gly Ile
 225 230 235 240
 Arg Ile Ile Lys Met Tyr Ala Trp Glu Lys Ser Phe Ser Asn Leu Ile
 245 250 255
 Thr Asn Leu Arg Lys Lys Glu Ile Ser Lys Ile Leu Arg Ser Ser Cys
 260 265 270
 Leu Arg Gly Met Asn Leu Ala Ser Phe Phe Ser Ala Ser Lys Ile Ile
 275 280 285
 Val Phe Val Thr Phe Thr Thr Tyr Val Leu Leu Gly Ser Val Ile Thr
 290 295 300
 Ala Ser Arg Val Phe Val Ala Val Thr Leu Tyr Gly Ala Val Arg Leu
 305 310 315 320
 Thr Val Thr Leu Phe Phe Pro Ser Ala Ile Glu Arg Val Ser Glu Ala
 325 330 335
 Ile Val Ser Ile Arg Arg Ile Gln Thr Phe Leu Leu Leu Asp Glu Ile
 340 345 350
 Ser Gln Arg Asn Arg Gln Leu Pro Ser Asp Gly Lys Lys Met Val His
 355 360 365
 Val Gln Asp Phe Thr Ala Phe Trp Asp Lys Ala Ser Glu Thr Pro Thr
 370 375 380
 Leu Gln Gly Leu Ser Phe Thr Val Arg Pro Gly Glu Leu Leu Ala Val
 385 390 395 400
 Val Gly Pro Val Gly Ala Gly Lys Ser Ser Leu Leu Ser Ala Val Leu
 405 410 415
 Gly Glu Leu Ala Pro Ser His Gly Leu Val Ser Val His Gly Arg Ile
 420 425 430
 Ala Tyr Val Ser Gln Gln Pro Trp Val Phe Ser Gly Thr Leu Arg Ser
 435 440 445
 Asn Ile Leu Phe Gly Lys Lys Tyr Glu Lys Glu Arg Tyr Glu Lys Val
 450 455 460
 Ile Lys Ala Cys Ala Leu Lys Lys Asp Leu Gln Leu Leu Glu Asp Gly
 465 470 475 480
 Asp Leu Thr Val Ile Gly Asp Arg Gly Thr Thr Leu Ser Gly Gly Gln
 485 490 495
 Lys Ala Arg Val Asn Leu Ala Arg Ala Val Tyr Gln Asp Ala Asp Ile

00651236 000900

500					505					510					
Tyr	Leu	Leu	Asp	Asp	Pro	Leu	Ser	Ala	Val	Asp	Ala	Glu	Val	Ser	Arg
	515						520					525			
His	Leu	Phe	Glu	Leu	Cys	Ile	Cys	Gln	Ile	Leu	His	Glu	Lys	Ile	Thr
	530					535					540				
Ile	Leu	Val	Thr	His	Gln	Leu	Gln	Tyr	Leu	Lys	Ala	Ala	Ser	Gln	Ile
545					550					555					560
Leu	Ile	Leu	Lys	Asp	Gly	Lys	Met	Val	Gln	Lys	Gly	Thr	Tyr	Thr	Glu
				565					570						575
Phe	Leu	Lys	Ser	Gly	Ile	Asp	Phe	Gly	Ser	Leu	Leu	Lys	Lys	Asp	Asn
			580					585						590	
Glu	Glu	Ser	Glu	Gln	Pro	Pro	Val	Pro	Gly	Thr	Pro	Thr	Leu	Arg	Asn
		595					600					605			
Arg	Thr	Phe	Ser	Glu	Ser	Ser	Val	Trp	Ser	Gln	Gln	Ser	Ser	Arg	Pro
	610						615				620				
Ser	Leu	Lys	Asp	Gly	Ala	Leu	Glu	Ser	Gln	Asp	Thr	Glu	Asn	Val	Pro
625					630					635					640
Val	Thr	Leu	Ser	Glu	Glu	Asn	Arg	Ser	Glu	Gly	Lys	Val	Gly	Phe	Gln
				645					650					655	
Ala	Tyr	Lys	Asn	Tyr	Phe	Arg	Ala	Gly	Ala	His	Trp	Ile	Val	Phe	Ile
			660					665					670		
Phe	Leu	Ile	Leu	Leu	Asn	Thr	Ala	Ala	Gln	Val	Ala	Tyr	Val	Leu	Gln
		675					680					685			
Asp	Trp	Trp	Leu	Ser	Tyr	Trp	Ala	Asn	Lys	Gln	Ser	Met	Leu	Asn	Val
	690					695					700				
Thr	Val	Asn	Gly	Gly	Gly	Asn	Val	Thr	Glu	Lys	Leu	Asp	Leu	Asn	Trp
705					710					715					720
Tyr	Leu	Gly	Ile	Tyr	Ser	Gly	Leu	Thr	Val	Ala	Thr	Val	Leu	Phe	Gly
			725						730					735	
Ile	Ala	Arg	Ser	Leu	Leu	Val	Phe	Tyr	Val	Leu	Val	Asn	Ser	Ser	Gln
			740					745					750		
Thr	Leu	His	Asn	Lys	Met	Phe	Glu	Ser	Ile	Leu	Lys	Ala	Pro	Val	Leu
		755					760					765			
Phe	Phe	Asp	Arg	Asn	Pro	Ile	Gly	Arg	Ile	Leu	Asn	Arg	Phe	Ser	Lys
	770					775					780				
Asp	Ile	Gly	His	Leu	Asp	Asp	Leu	Leu	Pro	Leu	Thr	Phe	Leu	Asp	Phe

00651236 082900

785 790 795 800
 Ile Gln Thr Leu Leu Gln Val Val Gly Val Val Ser Val Ala Val Ala
 805 810 815
 Val Ile Pro Trp Ile Ala Ile Pro Leu Val Pro Leu Gly Ile Ile Phe
 820 825 830
 Ile Phe Leu Arg Arg Tyr Phe Leu Glu Thr Ser Arg Asp Val Lys Arg
 835 840 845
 Leu Glu Ser Thr Thr Arg Ser Pro Val Phe Ser His Leu Ser Ser Ser
 850 855 860
 Leu Gln Gly Leu Trp Thr Ile Arg Ala Tyr Lys Ala Glu Glu Arg Cys
 865 870 875 880
 Gln Glu Leu Phe Asp Ala His Gln Asp Leu His Ser Glu Ala Trp Phe
 885 890 895
 Leu Phe Leu Thr Thr Ser Arg Trp Phe Ala Val Arg Leu Asp Ala Ile
 900 905 910
 Cys Ala Met Phe Val Ile Ile Val Ala Phe Gly Ser Leu Ile Leu Ala
 915 920 925
 Lys Thr Leu Asp Ala Gly Gln Val Gly Leu Ala Leu Ser Tyr Ala Leu
 930 935 940
 Thr Leu Met Gly Met Phe Gln Trp Cys Val Arg Gln Ser Ala Glu Val
 945 950 955 960
 Glu Asn Met Met Ile Ser Val Glu Arg Val Ile Glu Tyr Thr Asp Leu
 965 970 975
 Glu Lys Glu Ala Pro Trp Glu Tyr Gln Lys Arg Pro Pro Pro Ala Trp
 980 985 990
 Pro His Glu Gly Val Ile Ile Phe Asp Asn Val Asn Phe Met Tyr Ser
 995 1000 1005
 Pro Gly Gly Pro Leu Val Leu Lys His Leu Thr Ala Leu Ile Lys Ser
 1010 1015 1020
 Gln Glu Lys Val Gly Ile Val Gly Arg Thr Gly Ala Gly Lys Ser Ser
 1025 1030 1035 1040
 Leu Ile Ser Ala Leu Phe Arg Leu Ser Glu Pro Glu Gly Lys Ile Trp
 1045 1050 1055
 Ile Asp Lys Ile Leu Thr Thr Glu Ile Gly Leu His Asp Leu Arg Lys
 1060 1065 1070
 Lys Met Ser Ile Ile Pro Gln Glu Pro Val Leu Phe Thr Gly Thr Met

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1075	1080	1085
Arg Lys Asn Leu Asp Pro Phe Asn Glu His Thr Asp Glu Glu Leu Trp		
1090	1095	1100
Asn Ala Leu Gln Glu Val Gln Leu Lys Glu Thr Ile Glu Asp Leu Pro		
1105	1110	1115 1120
Gly Lys Met Asp Thr Glu Leu Ala Glu Ser Gly Ser Asn Phe Ser Val		
1125	1130	1135
Gly Gln Arg Gln Leu Val Cys Leu Ala Arg Ala Ile Leu Arg Lys Asn		
1140	1145	1150
Gln Ile Leu Ile Ile Asp Glu Ala Thr Ala Asn Val Asp Pro Arg Thr		
1155	1160	1165
Asp Glu Leu Ile Gln Lys Lys Ile Arg Glu Lys Phe Ala His Cys Thr		
1170	1175	1180
Val Leu Thr Ile Ala His Arg Leu Asn Thr Ile Ile Asp Ser Asp Lys		
1185	1190	1195 1200
Ile Met Val Leu Asp Ser Gly Arg Leu Lys Glu Tyr Asp Glu Pro Tyr		
1205	1210	1215
Val Leu Leu Gln Asn Lys Glu Ser Leu Phe Tyr Lys Met Val Gln Gln		
1220	1225	1230
Leu Gly Lys Ala Glu Ala Ala Ala Leu Thr Glu Thr Ala Lys Gln Arg		
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Trp Gly Phe Thr Met Leu Ala Arg Leu Val Ser Asn Ser		
1250	1255	1260

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 <223> Made in a lab

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<210> 540
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5

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<211> 14

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<213> Homo sapiens

<400> 541

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10

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<211> 15

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<213> Homo sapiens

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10

15

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<211> 12

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Phe Met Gly Ser Ile Val Gln Leu Ser Gln Ser Val

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<210> 544

<211> 18

<212> PRT

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Thr Tyr Val Pro Pro Leu Leu Leu Glu Val Gly Val Glu Glu Lys Phe

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10

15

Met Thr

<210> 545

<211> 18

<212> PRT

<213> Homo sapiens

<400> 545

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Met Asp Arg Leu Val Gln Arg Phe Gly Thr Arg Ala Val Tyr Leu Ala
 5 10 15

Ser Val

<210> 546
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<400> 546
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Thr Glu Ala Arg Arg His Tyr Asp Glu Gly Val Arg Met
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<210> 547
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 <212> PRT
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Ser Ala Pro Ser Leu Ser Pro His Cys Cys Pro Cys Arg Ala Arg Leu
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Ala Phe Arg Asn Leu Gly Ala Leu Leu Pro Arg Leu His Gln Leu Cys
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Cys Arg Met Pro Arg Thr Leu Arg Arg Leu
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<210> 548
 <211> 18
 <212> PRT
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<400> 548
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Glu Cys

<210> 549
 <211> 18

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<212> PRT
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<400> 549
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Gln Ala

<210> 550
 <211> 14
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 tcataccagt ccacggacta ttatgaacca caccacacag gaggaggtga gcactaggca 180
 agccaaggaa gcttcacctg tacttacagc cacacgccat ggctcatatt acagcctgaa 240
 ctctgcctcc actcagatca gtgataacat tagaaactca ttggagcacg aacctgttg 300
 tgaactgect atccgaagga tctaggttgt gtgcttcgta tgagaatcta atgccagatg 360
 atctatcatt gtctcacttt gccccagat aagaccatct agttgcagaa aaataagctc 420
 agagcttcca ctgattctac attatggata tgtgccgccg aagcaagcac aaagccctac 480
 ttttacacat gcctagtgat gcttcatgga caaggcttgg ctctgttgag tccaactaac 540
 ctacctgaga ttctgagatt tctcttcaat ggcttcctgt gagctagagt ttgaaaatat 600
 cttaaaatct tgagctagag atggaagtag cttggacgat ttctattatc atgtaaatcg 660
 ggtcactcaa ggggccaacc acagctggga gccactgctc aggggaaggt tcatatggga 720
 ctttctactg cccaagggtc tatacaggat ataaagggtgc ctcacagtat agatctggta 780
 gcaaagaaga agaaacaaac actgatctct ttctgccacc cctctgaccc tttggaactc 840
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<212> PRT
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<210> 554
<211> 59
<212> PRT
<213> Homo sapiens
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<400> 554

Leu Gln Lys Asn Lys Leu Arg Ala Ser Thr Asp Ser Thr Leu Trp Ile
 5 10 15

Cys Ala Ala Glu Ala Ser Thr Lys Pro Tyr Phe Tyr Thr Cys Leu Val
 20 25 30

Met Leu His Gly Gln Gly Leu Ala Leu Leu Ser Pro Thr Asn Leu Pro
 35 40 45

Glu Ile Leu Arg Phe Leu Phe Asn Gly Phe Leu
 50 55

<210> 555

<211> 71

<212> PRT

<213> Homo sapiens

<400> 555

Leu Gly Arg Phe Ser Leu Ser Cys Lys Ser Gly His Ser Arg Gly Gln
 5 10 15

Pro Gln Leu Gly Ala Thr Ala Gln Gly Lys Val His Met Gly Leu Ser
 20 25 30

Thr Ala Gln Gly Ser Ile Gln Asp Ile Lys Val Pro His Ser Ile Asp
 35 40 45

Leu Val Ala Lys Lys Lys Lys Gln Thr Leu Ile Ser Phe Cys His Pro
 50 55 60

Ser Asp Pro Leu Glu Leu Leu
 65 70

<210> 556

<211> 81

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<213> Homo sapiens

<400> 556

Asn His Pro Glu Gln Gly Ser Ser Thr Pro Arg Pro Gln Thr His Thr
 5 10 15

Ser Pro Arg Thr Ile Met Asn His Thr Thr Gln Glu Glu Val Ser Thr
 20 25 30

Arg Gln Ala Lys Glu Ala Ser Pro Val Leu Thr Ala Thr Arg His Gly
 35 40 45

Ser Tyr Tyr Ser Leu Asn Ser Ala Ser Thr Gln Ile Ser Asp Asn Ile
 50 55 60

Arg Asn Ser Leu Glu His Glu Pro Cys Cys Glu Leu Pro Ile Arg Arg

0062280-9675960

65

70

75

80

Ile

<210> 557

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<212> PRT

<213> Homo sapiens

<400> 557

Ser Leu Ser Ala Thr Pro Leu Thr Leu Trp Asn Ser Ser Asp Pro Leu
 5 10 15

Glu Gln Ala Tyr Leu Ile Ser Ala Arg Glu Lys Thr Asn Asn Gly Leu
 20 25 30

Lys Gly Ser Leu Thr Met Lys Val Ser Ala Asn Ser Trp Leu Arg Cys
 35 40 45

Gly Phe His Ile Arg Phe
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<210> 558

<211> 77

<212> PRT

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<222> (1)...(77)

<223> Xaa = Any amino acid

<400> 558

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 5 10 15

Ile Tyr Phe Thr Asn Leu Thr Ser Cys Leu Ser Val Gln Asn Gln Thr
 20 25 30

Phe Thr Cys Thr Lys Arg His Lys His Leu Gln Cys Ser Ser Val His
 35 40 45

Leu Cys Lys Ile Pro Pro Arg Leu Lys Gly Arg Asp Lys Lys Lys Lys
 50 55 60

Pro Ser Tyr Leu Ser Gly Val Leu His Ser Arg Ser Tyr
 65 70 75

<210> 559

<211> 50

006280-9E2F5960

<213> Homo sapiens

Thr Leu Pro Pro Leu Arg Ser Val Ile Thr Leu Glu Thr His Trp Ser
5 10 15

Thr Asn Pro Val Val Asn Cys Leu Ser Glu Gly Ser Arg Leu Cys Ala
20 25 30

Ser Tyr Glu Asn Leu Met Pro Asp Asp Leu Ser Leu Ser His Phe Ala
35 40 45

Pro Arg
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<211> 56

<213> Homo sapiens

Ile Gly Ser Leu Lys Gly Pro Thr Thr Ala Gly Ser His Cys Ser Gly
5 10 15

Glu Gly Ser Tyr Gly Thr Phe Tyr Cys Pro Arg Phe Tyr Thr Gly Tyr
20 25 30

Lys Gly Ala Ser Gln Tyr Arg Ser Gly Ser Lys Glu Glu Glu Thr Asn
35 40 45

Thr Asp Leu Phe Leu Pro Pro Leu
50 55

<211> 57

<213> Homo sapiens

<221> VARIANT

<223> Xaa = Any amino acid

Val Leu His Leu Asp Gln Met Asn Asn Val Gly Ile Xaa Met Asp Lys
5 10 15

Gly Leu Lys Ser Pro Glu Ile Lys Asn Pro Ala Pro Thr Gly Thr Ser
20 25 30

Asn Leu Ser Cys Phe Leu Ser Xaa Phe Trp Leu Met Gln Gly Thr Asn

35

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45

Ser Leu Pro Arg Glu Asn Tyr Leu Asn
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<210> 562
 <211> 59
 <212> PRT
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<220>
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 <223> Xaa = Any amino acid

<400> 562
 Asp Leu Tyr Pro Xaa Arg Ser Gln His Cys Ser Phe Asp Pro Ser Val
 5 10 15

Ala Pro Met His Gly Ile Lys Asn Ser Ile Thr Ser Leu Ile Phe Leu
 20 25 30

Ile Ser Tyr Leu Xaa Leu Glu Met Ser Ser Leu Ser Glu Ser Leu Val
 35 40 45

Leu Ser Ser Gly Asp Tyr Val Leu Asp Thr Pro
 50 55

<210> 563
 <211> 79
 <212> PRT
 <213> Homo sapiens

<400> 563
 Cys Phe Leu Phe Pro Tyr Leu Trp Leu Tyr Ala Gln Pro Leu Phe Pro
 5 10 15

Lys Gln Gln Pro Pro Ala Leu Ala Pro Gly His Pro Asp Phe Ile His
 20 25 30

Thr Gln Asn Glu Gln Ile Asp Pro Ser Pro His Ile Gln Asn Leu Met
 35 40 45

Trp Asn Pro His Leu Ser Gln Glu Leu Ala Glu Thr Phe Met Val Arg
 50 55 60

Asp Pro Leu Arg Pro Leu Leu Val Phe Ser Leu Ala Asp Ile Arg
 65 70 75

<210> 564
 <211> 64

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<212> PRT

<213> Homo sapiens

<400> 564

Ala Cys Ser Lys Gly Ser Glu Glu Phe Gln Arg Val Arg Gly Val Ala
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Glu Arg Asp Gln Cys Leu Phe Leu Leu Leu Cys Tyr Gln Ile Tyr Thr
20 25 30

Val Arg His Leu Tyr Ile Leu Tyr Arg Thr Leu Gly Ser Arg Lys Ser
35 40 45

His Met Asn Leu Pro Leu Ser Ser Gly Ser Gln Leu Trp Leu Ala Pro
50 55 60

<210> 565

<211> 57

<212> PRT

<213> Homo sapiens

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<222> (1)...(57)

<223> Xaa = Any amino acid

<400> 565

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Ala Val Cys Cys Gly Ser Ala Ser Ile Val Ser Leu Leu Leu Glu Gln
20 25 30

Asn Ile Asp Val Ser Ser Gln Asp Leu Ser Gly Gln Thr Ala Arg Glu
35 40 45

Tyr Ala Val Ser Ser Xaa His Asn Val
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<210> 566

<211> 55

<212> PRT

<213> Homo sapiens

<400> 566

Ile Leu Leu Glu Phe Phe Arg Asn Gln Arg Gly Ser Leu Asn Pro Arg
5 10 15

Lys Thr Val Pro Phe Ile Lys Ser Glu Gly Gly Glu Lys Lys Gly His
20 25 30

Cys Asn His Ser Val Val Ser Ile Asp Ser Ala Ala Ala Leu Leu Pro

006290" GETS60

35

40

45

Leu Lys Leu Val Leu Leu Pro
50 55

<210> 567

<211> 51

<212> PRT

<213> Homo sapiens

<400> 567

Tyr Ser Asp Phe Asp Val Phe Cys Ser His Thr Tyr Gly Tyr Met Leu
5 10 15

Ser His Cys Ser Gln Ser Ser Ser Pro Leu Leu Trp Pro Leu Gly Ile
20 25 30

Leu Thr Leu Ser Thr His Lys Met Ser Lys Leu Thr Leu Pro Pro Ile
35 40 45

Phe Arg Thr
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<210> 568

<211> 75

<212> PRT

<213> Homo sapiens

<400> 568

Lys Val Gly Glu Tyr Ile Leu Gln Ser Leu Leu Arg Ile Arg Lys Ile
5 10 15

Tyr Val Ala Phe Asn Ser Val Pro Ser Thr Cys Leu Leu Ala Ser Leu
20 25 30

Thr Glu Thr Pro Val Thr Thr Ile Leu Thr Ile Ile Ile Asn Leu Thr
35 40 45

Cys Phe Gln His Ala Glu Ser Ser Tyr Leu Phe Tyr Pro Leu Ala Asp
50 55 60

Phe Leu Leu Gln His Ile Ser Leu Gly Lys Leu
65 70 75

<210> 569

<211> 4809

<212> DNA

<213> Homo sapiens

<400> 569

006280" 96215960

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<210> 573

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      20              25              30

Gln Glu Ser Gly Pro Val Ala Gln Ala Gly Val Gln Trp His Asp Leu
      35              40              45

Ser Ser Leu Gln Pro Leu Pro His Arg Phe Lys Gln Phe Ser Cys Leu
      50              55              60

Ser Leu Pro His Ser Trp Asp His Arg Tyr Ala Pro Pro His Leu Ala
      65              70              75              80

Asn Phe Cys Ser Phe Ser Arg Asp Gly Val Ser Leu Cys Cys Ser Gly
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Trp Ser Lys Thr Pro Gly Leu Gln Gln Ser Ala Cys Leu Gly Leu Pro

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<210> 574
 <211> 62
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 20 25 30

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 35 40 45

Thr Arg Val Trp Pro Cys Cys Pro Gly Trp Ser Ala Val Ala
 50 55 60

<210> 575
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<400> 575
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 5 10 15

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 20 25 30

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 35 40 45

Gly Arg Gly Cys Ser Glu Pro Arg Ser Cys Cys Cys Thr Pro Ala Trp
 50 55 60

Ser Thr Glu Gln Asp Ser Ala Ser Lys Thr Asn Lys
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<210> 576
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 35 40 45
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 Pro Gly Tyr Ser
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<210> 577
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 <212> PRT
 <213> Homo sapiens

<400> 577
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 35 40 45
 Arg Leu Ala Pro Pro Ala Asp Thr Pro
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<210> 578
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 <212> PRT
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 20 25 30

00651236-082900

<400> 581

Met Leu Glu Val Lys Phe Glu Val Ser Leu Arg Pro Thr Gly Asn Glu
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Thr Ala Gly Gln Thr His Gly Thr Gln Asp Lys Gly Ser Lys Asp Ser
20 25 30

Thr Ala Ala Asp Ile Leu Cys Asp Ser Leu Glu Ser Ser Arg Pro Ala
35 40 45

Ala His Ile Leu Glu Gly Lys Met Gly Thr Met Leu Ser Ala Thr Leu
50 55 60

Gly Pro Ser Trp Val Thr Cys Ile Leu His Leu Cys Ser
65 70 75

<210> 582

<211> 51

<212> PRT

<213> Homo sapiens

<400> 582

Met Leu Phe Leu Gln Thr Ile Asp Thr Lys Cys Thr Gly Ile Glu Ile
5 10 15

Asn Arg Asn Trp Ser Lys Val Trp His Thr His Ser His Val Asp Val
20 25 30

Lys Leu Cys Leu Glu Phe Leu Cys Gly Val Trp Phe Gly Leu Gly Phe
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Leu Gly Val
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<210> 583

<211> 60

<212> PRT

<213> Homo sapiens

<400> 583

Met Ser Thr Ser Asp Gly Phe Ala Pro Pro Pro Gln Leu Gly Ser Arg
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Cys Ser His Ile Arg Gly Pro Ile Lys Ile Ala Arg Asn Lys Phe Pro
20 25 30

Arg Thr Leu Thr Ser Gln Glu Leu Arg Arg Phe Ala Glu Tyr Ser Gly
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Met Met Phe Gly Asp Gln Thr Thr Ala Gly Gln Lys
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006230" SECT5960

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 20 25 30
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 35 40 45
 Arg Thr Leu Thr Ser Gln Glu Leu Arg Arg Phe Ala Glu Tyr Ser Gly
 50 55 60
 Met Met Phe Gly Asp Gln Thr Thr Ala Gly Gln Lys
 65 70 75

<210> 585
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 585
 Met Val Tyr Arg Phe Gly Gln Met Ser Asp Asn Pro Phe Tyr Ile Leu
 5 10 15
 Ala Ser Leu Gly Ser Ser Ser Cys Arg Asn Gly Leu Ala Ser Lys Trp
 20 25 30
 Arg Gln Ala Asp Pro Ser Asp Gly Tyr Met Glu Pro Cys Phe Gln Leu
 35 40 45
 Leu Phe
 50

<210> 586
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 586
 Met Leu Val His Ile Tyr Ser Cys Cys Gly Met Val Tyr Arg Phe Gly
 5 10 15
 Gln Met Ser Asp Asn Pro Phe Tyr Ile Leu Ala Ser Leu Gly Ser Ser
 20 25 30
 Ser Cys Arg Asn Gly Leu Ala Ser Lys Trp Arg Gln Ala Asp Pro Ser

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<210> 587
<211> 1408
<212> DNA
<213> Homo sapiens
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<210> 588
<211> 81
<212> PRT
<213> Homo sapiens
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<400> 588
Met  Pro  Gln  Lys  Gln  Gln  Asn  Ser  Gln  Thr  Glu  Ala  Lys  Tyr  Arg  Ala
                    5                      10                      15

Leu  Gln  Phe  Arg  Gln  Tyr  Asn  Lys  Ser  Val  His  Glu  Val  Asn  Leu  Lys
                    20                      25                      30

Gly  Ala  Cys  Phe  Thr  Val  Ala  Gly  Leu  Pro  Arg  Ala  Trp  Thr  Thr  Gln
                    35                      40                      45

Tyr  Ser  Ile  Ile  Asp  Lys  Arg  Ile  Arg  Gln  Glu  Ile  Tyr  Thr  Cys  Cys
                    50                      55                      60

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Leu Ala Phe Val Val Ile Tyr Thr Asn Glu Asn Met Tyr Tyr Ser Tyr
 65 70 75 80

Ile

<210> 589
 <211> 157
 <212> PRT
 <213> Homo sapiens

<400> 589
 Met Thr Met Cys Leu Cys Val Ala Pro Met Gly Arg Ala Thr Arg Met
 5 10 15

Ser Val Thr Cys Asp Arg Leu His Ala Asn Ser Arg Val Arg Tyr Leu
 20 25 30

Trp Cys Gln Lys Asp His Val Pro Gln Met Gln Asp Gln Asp Leu Glu
 35 40 45

Met Glu Ser Met Lys Ala Leu Glu Lys Leu Val Lys Arg Arg His Pro
 50 55 60

Pro Val Ile Phe Ala Ser Leu Val Gln Asn Val Thr Lys Met Pro Arg
 65 70 75 80

Met Ser Gly Val Cys Val Ile Leu Thr Val Leu Lys Pro Thr Ser Ile
 85 90 95

Pro Ser Ala Leu Leu Met Gly Asn Leu Met Ile Met His Ala Lys Ser
 100 105 110

Lys Lys His Arg Val Arg Asn Arg Arg Lys Leu Lys Ser Cys Leu Trp
 115 120 125

Val Asp Val Lys Ile Thr Gln Leu Gln Leu Leu Ser Leu Lys Met Gly
 130 135 140

Ile Met Gln Glu Gln Ile Met Gln Arg Met Leu Thr Asn
 145 150 155

<210> 590
 <211> 347
 <212> PRT
 <213> Homo sapiens

<400> 590
 Met Leu Leu Ile Val Ala Arg Pro Val Lys Leu Ala Ala Phe Pro Thr
 5 10 15

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Ser Leu Ser Asp Cys Gln Thr Pro Thr Gly Trp Asn Cys Ser Gly Tyr
 20 25 30
 Asp Asp Arg Glu Asn Asp Leu Phe Leu Cys Asp Thr Asn Thr Cys Lys
 35 40 45
 Phe Asp Gly Glu Cys Leu Arg Ile Gly Asp Thr Val Thr Cys Val Cys
 50 55 60
 Gln Phe Lys Cys Asn Asn Asp Tyr Val Pro Val Cys Gly Ser Asn Gly
 65 70 75 80
 Glu Ser Tyr Gln Asn Glu Cys Tyr Leu Arg Gln Ala Ala Cys Lys Gln
 85 90 95
 Gln Ser Glu Ile Leu Val Val Ser Glu Gly Ser Cys Ala Thr Asp Ala
 100 105 110
 Gly Ser Gly Ser Gly Asp Gly Val His Glu Gly Ser Gly Glu Thr Ser
 115 120 125
 Gln Lys Glu Thr Ser Thr Cys Asp Ile Cys Gln Phe Gly Ala Glu Cys
 130 135 140
 Asp Glu Asp Ala Glu Asp Val Trp Cys Val Cys Asn Ile Asp Cys Ser
 145 150 155 160
 Gln Thr Asn Phe Asn Pro Leu Cys Ala Ser Asp Gly Lys Ser Tyr Asp
 165 170 175
 Asn Ala Cys Gln Ile Lys Glu Ala Ser Cys Gln Lys Gln Glu Lys Ile
 180 185 190
 Glu Val Met Ser Leu Gly Arg Cys Gln Asp Asn Thr Thr Thr Thr Thr
 195 200 205
 Lys Ser Glu Asp Gly His Tyr Ala Arg Thr Asp Tyr Ala Glu Asn Ala
 210 215 220
 Asn Lys Leu Glu Glu Ser Ala Arg Glu His His Ile Pro Cys Pro Glu
 225 230 235 240
 His Tyr Asn Gly Phe Cys Met His Gly Lys Cys Glu His Ser Ile Asn
 245 250 255
 Met Gln Glu Pro Ser Cys Arg Cys Asp Ala Gly Tyr Thr Gly Gln His
 260 265 270
 Cys Glu Lys Lys Asp Tyr Ser Val Leu Tyr Val Val Pro Gly Pro Val
 275 280 285
 Arg Phe Gln Tyr Val Leu Ile Ala Ala Val Ile Gly Thr Ile Gln Ile
 290 295 300

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Ala Val Ile Cys Val Val Val Leu Cys Ile Thr Arg Lys Cys Pro Arg
305 310 315 320

Ser Asn Arg Ile His Arg Gln Lys Gln Asn Thr Gly His Tyr Ser Ser
325 330 335

Asp Asn Thr Thr Arg Ala Ser Thr Arg Leu Ile
340 345

<210> 591
<211> 565
<212> DNA
<213> Homo sapien

<400> 591
actaaagcaa atgaacaagc tgacttgcta gtatcatctg cattcattga agcacaagaa 60
cttcatgcct tgactcatgt aaatgcaata ggattaaaaa ataaatttga tatcacatgg 120
aaacagacaa aaaatattgt acaacattgc acccagtgtc agattctaca cctggccact 180
caggaagcaa gagttaatcc cagaggtcta tgtcctaata tgttatggca aatggatgtc 240
atgcacgtac cttcatttgg aaaattgtca tttgtccatg tgacagttga tacttattca 300
catttcatat gggcaacctg ccagacagga gaaagtactt cccatgttaa aagacattta 360
ttatcttgtt ttctgtcat gggagttcca gaaaaagtta aaacagacaa tgggccaggt 420
tactgtagta aagcatttca aaaattctta aatcagtggg aaattacaca tacaatagga 480
attctctata attcccaagg acaggccata attgaaggaa ctaatagaac actcaaagct 540
caattgggta aacaaaaaaaa aaaaa 565

<210> 592
<211> 188
<212> PRT
<213> Homo sapien

<400> 592
Thr Lys Ala Asn Glu Gln Ala Asp Leu Leu Val Ser Ser Ala Phe Ile
1 5 10 15
Glu Ala Gln Glu Leu His Ala Leu Thr His Val Asn Ala Ile Gly Leu
20 25 30
Lys Asn Lys Phe Asp Ile Thr Trp Lys Gln Thr Lys Asn Ile Val Gln
35 40 45
His Cys Thr Gln Cys Gln Ile Leu His Leu Ala Thr Gln Glu Ala Arg
50 55 60
Val Asn Pro Arg Gly Leu Cys Pro Asn Val Leu Trp Gln Met Asp Val
65 70 75 80
Met His Val Pro Ser Phe Gly Lys Leu Ser Phe Val His Val Thr Val
85 90 95
Asp Thr Tyr Ser His Phe Ile Trp Ala Thr Cys Gln Thr Gly Glu Ser
100 105 110
Thr Ser His Val Lys Arg His Leu Leu Ser Cys Phe Pro Val Met Gly
115 120 125
Val Pro Glu Lys Val Lys Thr Asp Asn Gly Pro Gly Tyr Cys Ser Lys
130 135 140
Ala Phe Gln Lys Phe Leu Asn Gln Trp Lys Ile Thr His Thr Ile Gly
145 150 155 160

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Ile Leu Tyr Asn Ser Gln Gly Gln Ala Ile Ile Glu Gly Thr Asn Arg
 165 170 175
 Thr Leu Lys Ala Gln Leu Val Lys Gln Lys Lys Lys
 180 185

<210> 593
 <211> 271
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (271)
 <223> n = A,T,C or G

<400> 593
 actttatgtt cnagtgcana aancncctg gattgccacc ntactctcag ggctgtgant 60
 tgtgcnccca nagcaacctg ggcacgcggg gacagggggg ccnacaattg agggagcggg 120
 gtccctagct ggggtctata catgncnggg naagggcngc tgagtnccat nagcaaagga 180
 nctagnatnt gcgggggtgc ggccctggggc taccctttna agcatccntn gatccactcc 240
 angaancng gggtagncag gtttnccaac a 271

<210> 594
 <211> 376
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (376)
 <223> n = A,T,C or G

<400> 594
 cctttggggg nggggggaac ctttaccatt gtnccctttt atttcatttg gttnggggttc 60
 gcgcctcnn gggccaacaa agttatcgtn nttgaagaga anattttttt ggnttngncc 120
 cgattaagcg ncaaattgtgt agcaaaangc cgtgccactt gtggcgtagc tncgtcgggt 180
 cgattcgacg acaaggcgtn gcgcgntanc gttagtctcn aatngaccen gtggcatgag 240
 cccacgangg ntctgtgtcg tcacatggnc tctagacata acgcnncnccn ttttttncag 300
 agggggntgc cgcccttagg gaggnagggg tggggacact agccaancca nantctnacc 360
 ccattgaaga aaagg 376

<210> 595
 <211> 242
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (242)
 <223> n = A,T,C or G

<400> 595
 agnctgctgn tcgtnccctn tatgtggctt catnntgagg acaanagtng cactgagggt 60
 tgnngatgcc aggcaaggnc aagctggctc aaaaagcatc caccacctc tгнаanggg 120

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atgccangag cangtgcacc agtcccaact angagncccn ggcattgntac atctttcttcc 180
 acccctnaaa ntttgngcta caangnccat ttttcttttt ctcttaaggg ncnctggct 240
 tc 242

<210> 596
 <211> 535
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (535)
 <223> n = A,T,C or G

<400> 596
 accagttgga tactgctaaa nagatattta tgcagcctca tatgttaagt cgtatatttt 60
 gaaagctttt taaatttttt ctttaagaag atttttagatg cttatcactg agtaccagag 120
 ggatgtaggc tgatgccctt atcaacaaag tcagggactg tggcacacaa ggattgacta 180
 ctgcagacac ggccacaatg ctacctctag agggcctgaa tccccctgcc ctctctgggtg 240
 gggagaaggg ctggcagagc cattagcatg ggctccggcc aatcctggcc actttgacac 300
 tcctgggtgct gacccagggg cctggaggaa gggatgaggt gggcagtaga gatgctcagg 360
 gcagtggccc ctttccatcc aacttggaac tatttcagta ttttaccacc aattcagcca 420
 ttcccttggtg cgctggctga acatcagccc tgctccaggt ctcagtttcc cctttgtaaa 480
 gggaaagctc tggattcagg gagtgatgaa gaggtcatca tggctcttgag aattc 535

<210> 597
 <211> 257
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (257)
 <223> n = A,T,C or G

<400> 597
 tttcnatacc caaaantacc ccatattang accanacatt tgtctnggaa aaattaccat 60
 tntntaant ttgggccacc tgagannaaa tgggtgtaat ncatgataag atggancagn 120
 attnctctta agatnngatn agaccccggt tttcacggaa catatccaag naccatag 180
 gnaacaagcc acgggngggag tcacaaacat atattcttta ctctcataat ccgtnnacaa 240
 naactnttgn acttgac 257

<210> 598
 <211> 222
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (222)
 <223> n = A,T,C or G

<400> 598
 nntggntacc gtcnaaactt nnttggttac ccgagctcgg atccactagt ccagtgtggt 60


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ggaattccat tgtgttgggc tataagctgt aatagtggag ncggtgctngg ttcattgcan 120
nagnccctcc gcanncacnc ttgnnacaac ctgtgagnag gcnataaatt attcacataa 180
tcatcactgc atgaanctga ctcaaacgca tccacntaca cc 222

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<210> 599
<211> 238
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(238)
<223> n = A,T,C or G

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<400> 599
gcatgacatc ancgatgtnt ttggnnacct ganattngct aaaactngng natgccgggn 60
atgnaggttt ggtantgatc tatgcactca catctcatgg ggacgtttca tgtggagtgn 120
tcgacaangt tgctgnancn gagaagtgat gatctcagtt gaaaggggtca tgtgaatata 180
cnttacactt gaaaaagaag cacattggga atatcacgaa acgnccacca acatcctg 238

```

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<210> 600
<211> 232
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(232)
<223> n = A,T,C or G

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<400> 600
cgaactatth agactaccta ggaaaattat tttagtatca gaagaatatc aggggtgtag 60
tactcatcag agctaaatga gagcgcttta aaaatgttag tttgtcttcc gccatttcta 120
cagaaagctg caatttcagg ttttcaacct aataggtgat atttaanaaa aaaaaaagc 180
aatcgcaaat agccccactg cttttacaaa tcattttttc cccaacacaa tg 232

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<210> 601
<211> 547
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(547)
<223> n = A,T,C or G

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<400> 601
cattgtgttg gggaaaaaat gatttgtata agcagtgggg ctatttgcca ttgctttttt 60
tttttcttaa atatcaccta ttaggttgaa aacctgaaat tgcagctttc tgtagaaatg 120
gcggaagaca aactaacatt tttaaagcgc tctcatttag ctctgatgag tactacaccc 180
ctnatattct tctgatacta aaataatttt cctagtgtag tctaaacttt tttaaaaaga 240
catgtaatcc gcggagttag taactcaaaa cgagtgcac tnggaagtat cgcagccggt 300
nctggatnaa attcccagct tgctngcttg ctntagccggg gggcggtnaa aaaaacatct 360
gcagccngg ggnaaaaacc ttcgcattgt tcttacgtgt ttacgttatt ttatttcctt 420

```

nnagcaaggc nggganttgg ggactcgaaa tggtagagtt gggctgggga tcgcccttgt 480
 tacataaaaag ncgtccagaa gagggacggt tacaggcngg ganctccaaa ggtagtcccc 540
 tgccatt 547

<210> 602
 <211> 826
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (826)
 <223> n = A,T,C or G

<400> 602
 cgggggggnt tacgtctctc tggacgcttt tattgtacca gggcgatccc agcccaactg 60
 taccattcga gtccctactc ctgccttgct ctagggaat aaaataacgt aaacacgtaa 120
 gaacaatgcg aaagcgTTTT ctccctagg ctgcagattg tcttcttcac cgccctgct 180
 tagctagcta gctagctggg aatttaaatcc agaaacggct tgcgatacct cctagatgca 240
 ctcgTTTTga gttacaaact ccgcggtatta catgtctttt taaaaaagtt tagactacac 300
 tagggaaaat tatttttagta tcagaagaat atcagggggg gtagtactca tcagagctna 360
 atgagagcgc tttaaaaatg ttagtttgct ttccgccatt tctacagaaa gctgcaattt 420
 caggTTTTca nccataatagg tgatatntaa gaaaaaaaaa acaatcgcan atagcccaact 480
 gcttttaca atcatttttc tctcttaggt atagcctgct aggtggccta atgtattttt 540
 gacatctcta ggaattttta tagaccagaa atgggtgcc gagatatgcc tgcactaatc 600
 ttaagtgggg atttatgtat ttctcaanca agtgattaaa gcaaaactag gcacgaatga 660
 aatcaagatc tttaggccag aaatcatgaa nanttttana attattttan gaatctgtgg 720
 cttctcttct taaaatngaa aaaaaaattg tttaaacca naaggtctga atacccaagc 780
 nccctgaacn anagaacaan gccggagcac cccctcccaa atcccc 826

<210> 603
 <211> 817
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (817)
 <223> n = A,T,C or G

<400> 603
 nnangacttt tgtggtntta tacaattntt ttttctattt ctatgaagag aaagccacag 60
 agtcctaaaa taattctaaa actcatcatg actttcttgc ctaaaagatc ttgatttcaa 120
 tcgtgcctag ttttgcttta atcaacttgc tgagaaatac ataaatcccc acttaagatt 180
 agtgcaggca tatctctggc acccatttct ggttctatta aaattcctag agatgtcaaa 240
 aattacatta ggccacctga caggctatac ctagaagaga aaaaatgatt tgtaaaagca 300
 gtggggctat ttgcgattgc tttttttttt tcttaaatat cacctattag gttgaaaacc 360
 tgaaattgca gctttctgta gaaatggcgg aagacaaact aacattttta aagcgtctc 420
 atttagctct gatgagtact acaccctga tattcttctg atactaaaat aattttccta 480
 gtgtagtcta aactttttta aaaagacatg taatccgagg agtttgtaac tcaaaacgag 540
 tgcacttagg aggtatcgca agcgttttct ggattaaatt ccagctagc ttgcttgctt 600
 agcagggggc ggnaaanaag acatctgcag cctagggaag aaaacctttc gcattgttct 660
 tacgtgttta cgttatttta tttcctanaa caaggcngaa ttgggactcg aatggttcag 720
 ttgggggtgg ggatccccgt gtncataaaa ngtcanaaag anggtacagg cggaacncca 780

agggtcgtcc tgcatttana ctcggaattt tgggtgcc

817

<210> 604
 <211> 694
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (694)
 <223> n = A,T,C or G

<400> 604
 cttttcaaat cattttttnct cttctaggta tanoctgtca ggtggcctaa tgtaattttt 60
 gacatctcta ngaatttttaa tagaaccaga aatgggtgcc agagatatgc ctgcactaat 120
 cttaagtggg gatattatgta tttctcaagc aagtgattaa agcaaaacta ggcacgattg 180
 aaatcaagat cttttaggca anaaagtcac gatgagtttt agaattattt taggactctg 240
 tggctttctc ttcatagaaa tagaaaaaaa aattgtataa aaccacaaaa ggtcctgaat 300
 agccaaagca acactganca aaaagaacan agcaggggaag caacacacta ccngaattca 360
 aattatacta ccaggggtgta gtaacccaaa cagcattcta ttggcataaa atagacacca 420
 agaccaatgg ancagaataa agaaccaccac aaataaatcc atatatntac cgccanctga 480
 ttatcaataa cnaacaccaa gaacatatnt taagggacnt nctattcaat aantagtgtc 540
 ggnaaaaact gggaaatcca tatgcagaaa naatgaaact agaccoccat cctcaccat 600
 acgcaaannt caacttcgga atgggattac aaaacttaag acattccaac ccaagaaact 660
 atnaaancta ctattaagaa aacagatcnc nccc 694

<210> 605
 <211> 678
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (678)
 <223> n = A,T,C or G

<400> 605
 taaaaatcta gactacacta ggaaattatt ttantatcag aagaatatca ggggtgtagt 60
 actcatcana gctaaatgag agcgctttta aaatgttagt ttgtcttccg ccatttctac 120
 agaaagctgc aatttcaggt tttcaaccta ataggtgata ttttaagaaaa aaaaaaagca 180
 atcgcaaata gccccactgc ttttaccatc cattttttct cttctaggta tagcctgtca 240
 ggtggcctaa tgtaattttt gacatctcta ggaattttta tagaaccaga aatgggtgcc 300
 agagatatgc ctgcactaat cttaagtggg gatattatgta tttctcaagc aagtgattaa 360
 agcaaaacta ggcacgattg aaatcaanat cttttaggca agaaagtcac gatgagtttt 420
 anaattattt taggactctg tggctttctc ttcatagaaa tagaaaaaaa aaattgtata 480
 aaaaccacaa aaggtcctga atagcccaaa gcaacactga acaaaaangaa caaagcagga 540
 agcaacacac taccggaatt caattatact accaaggtgt antaaccaaa acagcattct 600
 attgggcata aaatagacca aagaccagtg ggaaacagaa taaagaancc caaaataaat 660
 cctatattta cngccnc 678

<210> 606
 <211> 263
 <212> DNA
 <213> Homo sapien

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<220>
 <221> misc_feature
 <222> (1) ... (263)
 <223> n = A,T,C or G

<400> 606
 gtgggggtcng cancagccaa ctcagcttcc ttctggggctt tgtagcaga cggatcatcc 60
 tctagtccac tgtgntcaaa ttccattgtg tggggggccnc tcgcctcggc canagatctg 120
 agtgancana cntgtcccca ctgaggtgcc ccacagcngn ttgtnttcag cangggctna 180
 caactcgacc ggcagcgan ggctggcaga antgngcgcc tnnctcattc ctacgngtn 240
 ngccgcagga aggangacag gcc 263

<210> 607
 <211> 22
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Primer

<400> 607
 ccatgtgggt cccggttgtc tt 22

<210> 608
 <211> 22
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Primer

<400> 608
 gataggggtg ctcaggggtt gg 22

<210> 609
 <211> 40
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Primer

<400> 609
 gctggacagg gggcaaaagc tggggcagtg aaccatgtgc 40

<210> 610
 <211> 27
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Primer

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<400> 610
ccttgtccag atagcccagt agctgac 27

<210> 611
<211> 46
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer

<400> 611
gatagagaaa accgtccagg ccagtattgt gggaggctgg gagtgc 46

<210> 612
<211> 40
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer

<400> 612
gcacatgggt cactgcccc gcttttgccc cctgtccagc 40

<210> 613
<211> 38
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer

<400> 613
gccgctcgag ttagaattcg gggttggcca cgatgggtg 38

<210> 614
<211> 53
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer

<400> 614
cggcgggcat atgcatcacc atcaccatca catcataaac ggcgaggact gca 53

<210> 615
<211> 46
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer

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<400> 615
gcactcccag cctcccacaa tactggcctg gacggttttc tctatc

46

<210> 616
<211> 1350
<212> DNA
<213> Homo sapien

<400> 616
atgcatcacc atcaccatca catcataaac ggcgaggact gcagcccgc ctcgcagccc 60
tggcaggcgg cactggtcat ggaaaacgaa ttgttctgct cgggcgtcct ggtgcatccg 120
cagtgggtgc tgtcagccgc acactgtttc cagaactcct acaccatcgg gctgggcctg 180
cacagtcttg aggccgacca agagccaggg agccagatgg tggaggccag cctctccgta 240
cggcaccag agtacaacag acccttgctc gctaacgacc tcatgctcat caagttggac 300
gaatccgtgt ccgagtctga caccatccgg agcatcagca ttgcttcgca gtgccctacc 360
gcggggaact cttgcctcgt ttctggctgg ggtctgctgg cgaacggcag aatgcctacc 420
gtgctgcagt gcgtgaacgt gtcgggtggtg tctgaggagg tctgcagtaa gctctatgac 480
ccgctgtacc accccagcat gttctgcgcc ggcggaggggc aagaccagaa ggactcctgc 540
aacggtgact ctgggggggcc cctgatctgc aacgggtact tgcagggcct tgtgtctttc 600
ggaaaagccc cgtgtggcca agttggcgtg ccagggtgtc acaccaacct ctgcaaattc 660
actgagtgga tagagaaaac cgtccaggcc agtattgtgg gaggtggga gtgcgagaag 720
cattcccaac cctggcagggt gcttgtggcc tctcgtggca gggcagtcct cggcggtggt 780
ctggtgcacc cccagtgggt cctcacagct gccactgca tcaggaacaa aagcgtgatc 840
ttgctgggtc ggcacagcct gtttcatcct gaagacacag gccagggtatt tcaggtcagc 900
cacagcttcc cacaccgct ctacgatatg agcctcctga agaatcgatt cctcaggcca 960
ggtgatgact ccagccacga cctcatgctg ctccgcctgt cagagcctgc cgagctcacg 1020
gatgctgtga aggtcatgga cctgcccacc caggagccag cactggggac cacctgctac 1080
gcctcaggct ggggcagcat tgaaccagag gagttcttga ccccaaagaa acttcagtgt 1140
gtggacctcc atgttatttc caatgacgtg tgtgcgcaag ttaccctca gaaggtgacc 1200
aagttcatgc tgtgtgctgg acgctggaca gggggcaaaa gctggggcag tgaaccatgt 1260
gccctgcccg aaaggccttc cctgtacacc aagggtggtg attaccggaa gtggatcaag 1320
gacaccatcg tggccaaccc cgaattctaa 1350

<210> 617
<211> 449
<212> PRT
<213> Homo sapien

<400> 617
Met His His His His His Ile Ile Asn Gly Glu Asp Cys Ser Pro
1 5 10 15
His Ser Gln Pro Trp Gln Ala Ala Leu Val Met Glu Asn Glu Leu Phe
20 25 30
Cys Ser Gly Val Leu Val His Pro Gln Trp Val Leu Ser Ala Ala His
35 40 45
Cys Phe Gln Asn Ser Tyr Thr Ile Gly Leu Gly Leu His Ser Leu Glu
50 55 60
Ala Asp Gln Glu Pro Gly Ser Gln Met Val Glu Ala Ser Leu Ser Val
65 70 75 80
Arg His Pro Glu Tyr Asn Arg Pro Leu Leu Ala Asn Asp Leu Met Leu
85 90 95
Ile Lys Leu Asp Glu Ser Val Ser Glu Ser Asp Thr Ile Arg Ser Ile
100 105 110

Ser Ile Ala Ser Gln Cys Pro Thr Ala Gly Asn Ser Cys Leu Val Ser
 115 120 125
 Gly Trp Gly Leu Leu Ala Asn Gly Arg Met Pro Thr Val Leu Gln Cys
 130 135 140
 Val Asn Val Ser Val Val Ser Glu Glu Val Cys Ser Lys Leu Tyr Asp
 145 150 155 160
 Pro Leu Tyr His Pro Ser Met Phe Cys Ala Gly Gly Gly Gln Asp Gln
 165 170 175
 Lys Asp Ser Cys Asn Gly Asp Ser Gly Gly Pro Leu Ile Cys Asn Gly
 180 185 190
 Tyr Leu Gln Gly Leu Val Ser Phe Gly Lys Ala Pro Cys Gly Gln Val
 195 200 205
 Gly Val Pro Gly Val Tyr Thr Asn Leu Cys Lys Phe Thr Glu Trp Ile
 210 215 220
 Glu Lys Thr Val Gln Ala Ser Ile Val Gly Gly Trp Glu Cys Glu Lys
 225 230 235 240
 His Ser Gln Pro Trp Gln Val Leu Val Ala Ser Arg Gly Arg Ala Val
 245 250 255
 Cys Gly Gly Val Leu Val His Pro Gln Trp Val Leu Thr Ala Ala His
 260 265 270
 Cys Ile Arg Asn Lys Ser Val Ile Leu Leu Gly Arg His Ser Leu Phe
 275 280 285
 His Pro Glu Asp Thr Gly Gln Val Phe Gln Val Ser His Ser Phe Pro
 290 295 300
 His Pro Leu Tyr Asp Met Ser Leu Leu Lys Asn Arg Phe Leu Arg Pro
 305 310 315 320
 Gly Asp Asp Ser Ser His Asp Leu Met Leu Leu Arg Leu Ser Glu Pro
 325 330 335
 Ala Glu Leu Thr Asp Ala Val Lys Val Met Asp Leu Pro Thr Gln Glu
 340 345 350
 Pro Ala Leu Gly Thr Thr Cys Tyr Ala Ser Gly Trp Gly Ser Ile Glu
 355 360 365
 Pro Glu Glu Phe Leu Thr Pro Lys Lys Leu Gln Cys Val Asp Leu His
 370 375 380
 Val Ile Ser Asn Asp Val Cys Ala Gln Val His Pro Gln Lys Val Thr
 385 390 395 400
 Lys Phe Met Leu Cys Ala Gly Arg Trp Thr Gly Gly Lys Ser Trp Gly
 405 410 415
 Ser Glu Pro Cys Ala Leu Pro Glu Arg Pro Ser Leu Tyr Thr Lys Val
 420 425 430
 Val His Tyr Arg Lys Trp Ile Lys Asp Thr Ile Val Ala Asn Pro Glu
 435 440 445
 Phe

<210> 618

<211> 385

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(385)

<223> n = A,T,C or G

00651230.03950

```

<400> 618
ctgtgctgag aacccaaaagc tatgancact gcttttccaa atgtccataa naccaacatt      60
tttatcacta ccaccatcac ctgggagctc nttagaaagc tagtctcccg ggcaccaccc      120
tggcctactg aacctaattgt gcatttaaca agattnacgt ngaaatctgc aaagcacagg      180
ggcngataac agtaccacct gntctgggtc ctanccccan gacccttaca gtctaactgg      240
gacacaaggg cttnaaatca aattgcctat cattaagata tacaanganc ntgagaaact      300
gctncaacta tntattaagg ngctctaaga cttagaaacn aaangcantg ctgagangat      360
tcaaatatga ngggggncac tttnc                                           385

```

```

<210> 619
<211> 869
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(869)
<223> n = A,T,C or G

```

```

<400> 619
gatatcccgga gaattcgcgga ccgcgtcgac ctctacttgt ttagacataa atgcagtcta      60
gcattaaaaga tccttttaaaa aaatggtttc ccaatgggta aaagacaagc tcaaataaat      120
gaactctcat acatatgccca aaattgatga gtagataaat atttcagtag gtagttacta      180
gctttctgtg tatgagtaaa catatgggag aaatttataa cactaaagta gactcaatga      240
aagcatagta tcctatgtat tcgtttttca gaaatgtcta atgaagggaag gaaacaatga      300
atgaatgccc ttattcctct tagagtgctg ggacatgggt ttgcctgaaa acttcatgtg      360
aattttatat tttgctacac attacaccca tcttagactt atacgtataa gacataaggc      420
atatcttatg tcttacatgt ataataatct aagcagaaca aaaaataacg aaatattttc      480
ttccccaat ttttgagaca gatggatttt ccggaaaagat gtgttttagct tttaatcctg      540
tgggttttgtg taccacctgg cacactagag tgttgctcta attcagttag ttgtaactct      600
gggtgaacag tggaaatact aggggtacatt ttaaaaatgc taatgctcgg gcctcgctga      660
agaccaaatt aattggaatc tctgngggng gnattgatct ttttataatc tttctanang      720
attctaattg gcttccaggga atgaaaacn ctgntggagc tnggaacctt ccttttagtt      780
ggagaaaccc cgatgagggg ntnttaggcn ccgcctnttt ttggcctggg cttccccccc      840
tatntntttt tgggaanggnc cnaattttt                                           869

```

```

<210> 620
<211> 339
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(339)
<223> n = A,T,C or G

```

```

<400> 620
gngcgggcct cncctgtgctt gctctcgctg ccgacgctct ttttccacca gctgtaggan      60
aagcccgaag accactgggtc ccccgggtag cccaagtacc actggctctc ctgggtcctg      120
acgctncggg tcttcctcgt ggcgtagact gccagcttcg gagacccctc agccccctcc      180
cgcttttctc caccacagga ggccatcagt agcgagctac tgccctcgcc acaacctccc      240
agcangatag cccgcggttt ccaatctgcg aaaggaggac cgccnagccc gaaatgcena      300
gcccagcnat cactgccacg ccgagccnag cgctcgtgc                                           339

```


<210> 621
 <211> 267
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (267)
 <223> n = A,T,C or G

<400> 621	
ggggngcatg gtcccnggta gccaaagtaca tggctcctcct ggctcctgac gctacggggtc	60
ttcctcgtgg cgtagactgc cagcttcgga gacccctcag cccctccccg cttttctcca	120
ccccaggagg ccatcagtag cgagctactg cctcgccac aacctcccag caggatngcc	180
cgcggtttcc aatctgcgaa aggaggaccg ccnagccaga aatgccnagc cnagcgatca	240
ctgccacgcc naggcnagcg ctcgtgc	267

<210> 622
 <211> 847
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (847)
 <223> n = A,T,C or G

<400> 622	
cttangntgt cgactgacgt catgcatgan tttaaagcaga ggtttggtga aatttatgaa	60
aaatacaaaa ttccggcttg tcctgaggaa gagccactac ttgataactc tacaagagga	120
acagatgtga aggatattcc ctttaatttg acaaataaca tacctgggtg tgaggaagaa	180
gatgcatctg aaatatctgt ctcagtggta ttcgagacat ttcctgaaca aaaagaacct	240
agtctcaaaa atatcatcca tccatactat catccgtact ctgggtccca ggaacatggt	300
tgccagtcac cttctaagct tcattttacat gaaaataaat tagactgcca caatgataac	360
aaactaggca ttggacatat ttttagtaca gataacaact ttcataatga tgcaagcact	420
aagaaagcaa ggaaccacga agtggttacg gttgaaatga aagaagacca agagtttgat	480
ttgcaaatga caaaaaatat gaaccaaaat agtgacagtg gcagtacaaa taactataaa	540
agcctgaaac ctaaattaga aaatctgagt tctttaccac cagattctga cagaacatca	600
ggaagtatat ctacatgaag aattacagca agacatgcca aaagttaaag aatgangtca	660
acacattaga aanaagantt ctgggctttg aagaaagaaa atgttcact tcataaagaa	720
ggttgaaaga agaatgggag agcccngaen tttttgccn gaaattttcg ggaacctac	780
tggatgggtc nactggttgg ccatgaatga ataatggact aatcnccaa ttcctnggga	840
agggaaat	847

<210> 623
 <211> 681
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (681)
 <223> n = A,T,C or G

006230"032900

<400> 623
 aaaactgtac tcgcgcgctg catgtcgaca ctagtggatc caaagaatcg gcacgagcga 60
 aaangctcan gcagcccggc tggccgcccgc cgctcctccc cccaggaaag ccaangtgga 120
 ngctgatgtg gctgcangag ctgcgtttcac agccccctcan gtgganctgg ttggggccgcg 180
 gctgccangg gcggaagtgg gtgtccccc angtctcagccc caaggetgcc cctcaciaaag 240
 cactggtggt ttgcctccac tgccaccttg ggctccgaac ccgctccccct gctgtggang 300
 cccaccgtgg gaatccaggt ccccagggtg actgcctgcc ttgcctcac tgcccactct 360
 gcccacactt cctgcctag anaccgggaa ggggctgtgt cgggtantggg gcccacctgg 420
 atgtggcagc accgactgtg ggggtggacc tggccttgcc ggggtgcaaaa gtggggggccc 480
 ngggaaaagc acctgaagtg gccctgaaaa atccccctt aattttcccc caatttgggg 540
 ctcaacaaa aggaaattgc tgaagccaan ggtaccaagg tcaccctaa ggccagggtg 600
 aaaaggtccc aaaattccaa tccccacnt ttgggcttnc ctcttggaac cccggcccc 660
 tctcntgaan ttttaaaaaa n 681

<210> 624
 <211> 661
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(661)
 <223> n = A,T,C or G

<400> 624
 attggtctta ctgtaccacc ggggtggaaat cgatggccgc ggcggtctaaa tatccgattt 60
 tttttttttt tctctttctg actgtccatg gacaaatgaa actaacttaa tctaactaaa 120
 aaacacaact atattttgaa gattttctat ctgcactcaa ggacactttc cacncggttg 180
 ttgttacctt ttgggtcttg ctctgaacat gaaattnatc tcaagggatt ngattttctgg 240
 acctctatt cctgctatgg gtttgatatt tcttgggctc cagggccact gttgcattgg 300
 gntgacagnt acctcctagc ccatancctc ctatcttggg aaacaaacct aacaactacg 360
 tgtaccttcc atagatctct gattgagctc cagtatncgc ttgctcatgg gcgattcact 420
 tgaatccgtn attggtgcca acaatcctga ctcatgggnn aatggatcct atcacgttcc 480
 cctgattngc aacccttgta tacatanatc taatcgcata gaatctagen tnggntatgc 540
 gcggctacgc tatcagggnt tgntaactat ngcatggcta cgaanccctga tcatgatcna 600
 gggctcatgga ctcttatcag ggggggttggg ccngcttctt ttttcnnacc ttggtaaaac 660
 c 661

<210> 625
 <211> 181
 <212> DNA
 <213> Homo sapien

<400> 625
 gcaacaatca gatcatgtta aagtaaattc ccattgccct ggatcacttc aggatttaaat 60
 tgtccaagga gagcaggggt ctctgtgaa aaaaagggtg ggaaatgttt gagagtaaaa 120
 aatacaaaat tcaaccggtc gaaaatacac cactccattc agtgcctctac ccccataagc 180
 c 181

<210> 626
 <211> 181
 <212> DNA
 <213> Homo sapien

<400> 626
gcaacaatca gatcatgtta aagtaaatct ccattgccct ggatcacttc aggatttaat 60
tgtccaagga gagcaggggt ctctgtgaa aaaaagggtg ggaaatgttt gagagtaaaa 120
aatacaaaat tcaaccgggtc gaaaatacac cactccattc agtgctctac ccccataagc 180
c 181

<210> 627
<211> 813
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(813)
<223> n = A,T,C or G

<400> 627
accaagctgg agctcgcgcg cctgcagggtc gacactagtg gatccaaagt gaacgtgaag 60
gtgagcagag gagaacttgc gatggcaaaag ttaaaaacaa gaggagatga tgggtcttgg 120
gtggcacagg atgttaaaaa aattctcctg tccttaagga gttactgcta tttgagtaat 180
gtgccacttc cctacatagc cttctatgca gaaatgctat atttccactt cacaaccag 240
aacgtgcatt ttattttaca tttagaggag gaacaaacaa ccagaaggca aaaactgggtg 300
cattattttt tgcaattctc ttggaaagag ttcggtttta acttctgctc agacagcaca 360
caactactgg gaatatattt taatttcaaa tctgatgtgt gacatctggg aactcattta 420
ttgctaataga agttttcaca ggaagcagca gtcaccagta gctcatctta ttttccagtt 480
ggcaaagtgt tgtttacctt ttattggcct gcatcggtgt ctcttatcac aggatattta 540
attagaaaaac gcaagtagcc taacatagaa nagaaatyga gtggtagata atagtagata 600
gaatggctaa atatttttat tacagtgtatg taatatcact gnaatttatg gttaaaaaatt 660
atgtaatact caaaagggaat tctcagactg gcgaaacagc tggnaacag ctntcacagg 720
gctttnanct cctnttgagc tttccccctg ntggacttta gtcttccttt tacncccgna 780
gttnccattn nttaccaatt gtnccgggaa ana 813

<210> 628
<211> 646
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(646)
<223> n = A,T,C or G

<400> 628
tttggngngn ggtgtctcnt ttgggtggac tttttgggtc gtagggcccc aaggccgtta 60
atcccgtaat aacggaagac gaagaagagt cagaagagtg cttctataag gatcgggacg 120
agactacctt agaggaataa aggaaaaaag cagaggagga agagtggtag aaggagtcag 180
aagaaaccca cacgtcgttc tgaacctgga gccttatcaa aaaggcttag ataaacgata 240
gcatctcgat tatcgagctc aagaggtagg tttagagact tctcgctctc gagagcgaaa 300
tggaagatct cgacgacgat aagaagttaa agtgtagagg gtgcttgagg agcgcggtgga 360
aggattctgc ggagggaccc atcgacgtag agacttgaag gcctactaag gtccacaaga 420
agcccggctc tttctccgaa tggtcggagc gtacagtatg cgacgtcgat cggcagacaa 480
gctggcggtg gactcgaagt gttcggggcg atcgacttat aatagtcgag cgctagtaac 540
gtaggaacac gaagagtagt cgaaagaaaa cgtttagtga gggaaaagat tagggaaaaa 600

ggagaggctt aataactaag acacttggag cctaggccaa cgcgaa

646

<210> 629
<211> 617
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(617)
<223> n = A,T,C or G

<400> 629
gccccnccc cctcctnngg gcttatnngg acagaccac gtagtactct aaatcttctc 60
ctacgcgga caacggaccc tataccaatt cgaatcttgg acactccgac cgccggattc 120
tcttccctt tcggcttccc ctttctgtcg gtacccctcc ctagtcgtct cctacacctt 180
cgtaccgtcg atatatagtc gccgcggact agcctattta ggtgtcctag actcgttatt 240
gatccactca ttagtctagt actatgcgtc acgtatctta gttgcctaag agggagatta 300
aatcctccac aagttccgac gaattcctgg actctcgtac tagcaaactt tcttatgagg 360
cttccttgta tatcttctgg atgtttctcg tgtcccggtc ctccgctact actagagctc 420
cttgccctat ctctagaagt agaggactct cgggttcggt ctccaaatct agcgctagag 480
ctatcgctac ccgctcgatt ccccagcgg aatcttgaaa cctgaggtag tacacaaacc 540
ctccncatct tccctcggtt gctccttctt ctcatccccc cttcccgctt tctcggaan 600
gaatctactt tancctc 617

<210> 630
<211> 644
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(644)
<223> n = A,T,C or G

<400> 630
cnntcggcnt gggttttntt ctgagnnncc ccccccccc ccccccaaa cttacacca 60
ccaaacactt tccgccccct acctaggaga cattagaagg gtttaggctt cggcgtatag 120
taaagtcttc tacctcggaa gtagagaatt cggtatTTaa attcagggtt agaggctcgc 180
tcgttagatt tatagtttag gtttagaatc ggaaaccttc gatcttctt agaagggtaa 240
taagtgaggc cctaaatccg tctaaccaag gcgttaaggt ccgtacctaa acctagtctt 300
atcttctatc aggcgacca atataggtag gttctacttt cgtataggcc ttaagggaata 360
gttcggtagt tatcgaaggc actcctctct aggctaggct tttctcagtc ttagtactcc 420
gggaccgtcg tcgcanaaat atcgatggac ggtaggtatc tccgcgttac gcgtcgggct 480
agggatatag agcgaattat cggcgagagg cggtcgctan gaatcgggat caatatgntg 540
ttctttaccc tacggatatc ggcagaaaac ataaaacctt ctnaccangg ataagggatt 600
atcggacccc taaaataaca gtaacattta gantactagt accc 644

<210> 631
<211> 526
<212> DNA
<213> Homo sapien

<220>

005280 " GCTGGG

<221> misc_feature
 <222> (1)...(526)
 <223> n = A,T,C or G

```
<400> 631
ccntcggtt ggggtttttt ctgagccccc cccccccccc cccccccccc cccccccggc    60
cccatagccc caccggnccc acccaaattt taacaaaata aatntaccta tcgntcacct    120
atcccnegta tcngtaggt cggtagccgt accgngatc ncnacgattn ttcgggtcgt    180
cnccttaan acggncccggt agccnccgga anaaatacta cgagngactc taatntagca    240
anaccgcgcg tcnattanta gcaccccttag tcttccaatg ncnnggattn ngaatccttn    300
naagttatcg ggtagaacgg gtcccggtcc cccgcctctt ttncaattaa cgccgggtac    360
aaantcgggt tctaaattcc ncacgaattt ngncggcaac attcncgggn ccttattanc    420
cntttccaac cccgatacnc nagctcgatc gggctttanc gaatccgggg tcnccccga    480
ngantcggg tcctttgagt ngctctagga cggttacgac ggagga                    526
```

<210> 632
 <211> 647
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(647)
 <223> n = A,T,C or G

```
<400> 632
tttggngggc gggngctcat ttgggtggac tttttgggtc gtaggaacct ggtatgaggg    60
gtgttttgag tttcttcttc gtcgtctctg ggagggtcgg tttcgattga gattcgggtt    120
cgtctttatc ttacgaggca ccctgatatt gttgcgcttt ggtttggttg tggagagttt    180
tgtctactc tagcgggtca tgcggatgat atgtagcctg cgtggcctga tagtgatgtt    240
gtgagcttga gaggggagtt gtgggtggtt cgggcggagt aggaggggtt ggagcaccgg    300
gattgggaga tatagaatca taagtgttag gtataggctg attgagcgag ttcgtggaat    360
tcgtgtggtc atcataatta gagtgaggat gggctctata tttcttagag gacgcacggt    420
cgtgattcgg ggtttgatgg gtgttcttct tgtgggcacg attagcttgt tcatgatggt    480
aaggaccata ctgtttcgaa tgaggattcg tgtcttcgga ttgttggtga tattgtggnc    540
tanactatct agtgtaagcc ggagggtggt tgcogtggtg gagtatccga nnttcattcg    600
ganggtatgc gtgcggagcg gtccttgtag acattccgga aaaatgg                    647
```

<210> 633
 <211> 630
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(630)
 <223> n = A,T,C or G

```
<400> 633
tccttcggct tgggtttttt tetgaccccc cccccccccc cccctcggga aggcctctag    60
gtcccccccc gtctctctaa tcctcaggaa ccgatccacc caaccaactt actaatgtcc    120
tacagtaaac acccgagaat ataaaccac acctaggcct ccaatcctac caggggaagca    180
agaagccgta gtctagcgta ttacgaaccc gagatagaga cggagatact tagttttatt    240
ctctcggaat aggaaagacg actggggagg gaatatagga tagcgcgggg ataggggcta    300
```

tggcggatat	gggggcgggt	cgctctctta	ttcttctata	ccacgtcaat	aggaatgtag	360
atatacctag	atgttcccgt	agaaagagac	gtagagggtc	tccgaagcta	taaaggagag	420
gcgcgaagaa	acttcgtact	ctagctttat	ataggtagtc	gctctagtcc	cataagcgac	480
gagagatcta	ctagatttcg	gtatcgccgt	cgtatgtatt	cgaaatagtc	ttcttcccct	540
tttcgatctc	ctctctatac	tacatggnga	ttatagtcnt	aagatagtc	ggatattagg	600
atattagtta	tatgacgttc	gacggggacgg				630

<210> 634

<211> 647

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(647)

<223> n = A,T,C or G

<400> 634

ccntcggctt	gggttttttt	ctgaccccc	ccccccccc	cctccactaa	gancttaacc	60
caaccctata	gtttactcgt	ataggggaat	cgaggagaaa	taggaacgaa	gagcgggtga	120
taaagagaaa	gtactttcct	ttatatgtta	agagcttagc	gtaatgactt	tcgttatatg	180
gctagttagt	tttatccggc	gttatagggc	ttagtctcgg	ttatctcggg	tctaattccc	240
ttagtatgct	cgggagttta	acgaggtcac	gggatagcgc	gtaccctttc	taaggttcct	300
ggaaagctat	tcgttattta	tcgcgattct	cgaggtcgaa	aggatcaagg	atcttccctt	360
ttactaccct	agtcgggtta	gcggtcggtc	aaaactagt	tagtaccttt	acctcctcga	420
aagttatagt	cgaaacaacg	tattagtcga	aattatagcg	gatagatcga	gacggttcct	480
tctcgggttc	tcagccggta	atccctctat	ttgggggtct	tctccctctt	cccccttgct	540
ttccgcctta	gcttccaagg	ttcctcggaa	gcgaggggtt	ctacttaagt	cgntagcggt	600
ccttataaac	cncctacagg	cagaccccc	tgtaaacggc	tcgggggt		647

<210> 635

<211> 645

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(645)

<223> n = A,T,C or G

<400> 635

ccttcggctt	gggttttttt	ctgagcccc	ccccccccc	cccgaaactc	gccttacctt	60
agatacccaa	agaatagttc	cactcaactt	cgtctaagta	aaactctaga	acttccaaac	120
ataaaagact	tcgcgcgggt	agctacacag	cctacgggaa	tctcacgaat	cccgattcaa	180
gtcccaactc	cgaccacacc	ccggtatcgt	cgttttccca	taccaatgtc	gaaaaataaa	240
ataaaatcca	gtcaagcccc	acggtaagcg	ggggtagggc	taggcgaaga	ggcaggaacc	300
gttcgaggcc	gggggctttc	aaaatacaaa	acaactactt	aaagtttacc	ccttctaaag	360
tcgggggcaa	cgggttaaagc	acgcctctaa	agtactactc	gtttcgagaa	ggggtagtca	420
tctcccgcat	agagactctc	gcgtatatca	actcgcacgc	cttctagcat	tccgacgggc	480
gcccgcggct	acatatcttg	cggattagct	ccgagggact	ataggggtta	ttagtctagt	540
aaattctctt	agaggatagt	cggggtcgta	gttaggcagt	acgaggggac	atggncctgc	600
tcgtgctcta	ccttgacagc	atactcttat	aaacatcttt	ttcct		645

<210> 636

006280" GETS960

<211> 643
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(643)
 <223> n = A,T,C or G

```
<400> 636
ccttcgggctt ggggttttttt ctgaccccccc cccccccccc cctagcggaa aacaatcccc    60
accgagatttt tattaatcgt aaaactcgcc ttcggtacca agtcttcctc cttcccgtaa    120
cctggctccc tctagnggc ttacgaacg tccctcctct tcttacggct cggaagtggg    180
tacgggttaaa tccggaggng gggctaacga atccaaggct aactcctctt anagtttggt    240
gtccnncngt ttagtaagga tccgtggagg gcgagtattt gnccccggc ctttatnta    300
tagttcccta gtacgataaa gntaccggct atcctattac agcggataaa agttatttan    360
agggccgacg tcnccgctag acaggctaca gctagnngag gtaccgcctc cgactantcc    420
gttgnttccg acaaggnggt ttcgggttaac tccacaaact cctccgcoga ctctanggtg    480
gggacggcag ttccnncgtt tagtgtgcgt tatagagaag ggcatttgag ttggacgtta    540
cnttttaaca taggttattc cgtttagggt cttgcgggcc cgtgggggta gtncnccggc    600
gcgttnntat cggcgatttt ccgcagtttc cgtttccggg tnt                               643
```

<210> 637
 <211> 631
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(631)
 <223> n = A,T,C or G

```
<400> 637
gggttntctc atttgggtgg acttttttggg tcgtaggaac cggtatgnag gagtaggagt    60
cgctgggaag actagaagtt agctacggac gattagtgtg attccactct taataacgag    120
taatcgttta cgtcgggttg gtgtttcggg gttttggaga gtaagcgtag ttgtggagtt    180
tcgcataatag gtccccttac ttcggcgatc tcgtcttctg tcgggttaggt tattattggt    240
catccttcgc attagtagta gggttgggtcg gataaatcga tagctattct ttagaattcg    300
tagtcggaga attcgtgtac gaagtccttt aagttcttta agttcgcgag taagacgtgt    360
acggttattt tgtcgtcgac gtaggtgtcg tttacgggag tttcgtttta ggggtttacg    420
tagaacgtta ttaagcacgg taatacgata gaggattacg cgacgtattc gtcttagaac    480
gtcgattttt cgaaggcgca tttgttatcg aaggggagtc cttggagaat cgagatattc    540
caagaatatt acggagatta cagatcggaa ggctcccagag atcggacgta ttaccggtct    600
cgcccgaaac gagtaggtat cntccggata a                               631
```

<210> 638
 <211> 606
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(606)
 <223> n = A,T,C or G

```

<400> 638
cccccccccc ctcaaccatc nattccccac ctcaacgcga attacggttt cgaaagtcga      60
caataagtcg ggtcgagtag aggggaatcag gggctggtan aaaggaccac gggcggaaaa      120
taccggtctc cttccgggga ggcacgctcg ggaaggggaa gagagcggtc tagttcgtag      180
gcaaacaggt cagaaaagtt aagggttaaag gtcggagggg agaggatagc tagtacgctt      240
agttcggggc tcgggcgcag ggccactttc ctcttttcgc ttcctttact ctgcttacga      300
gttcaggtc cggagttccg cgcgcgaggt cgtcgcgacg ctaggaatgg ggactcgctc      360
agtccccggt tatecttcgg gattctatgt ttccgcgat agacggagac cgggtagtag      420
ggttccgctg taccgccact cgtcgcttg atccggcccg ctccgcttaa gggcgatgaa      480
agattaggtg ttagggctct acgggacgag gcatagggcg ggagaagggg ggaggggtcg      540
ggggtcgaa ggantaaag atcgcantcg cgcggggtcg gtagganccg aaatttttct      600
cnnctg

```

```

<210> 639
<211> 592
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (592)
<223> n = A,T,C or G

```

```

<400> 639
tccttcggct tgggtttttt tctgagcccc cccccccccc ccccgggaa cgagaaaaca      60
atcccaccct accgcgggga gtgggttgna cgcttagttc tagaatcctc ggaatcgctc      120
tcggcggttg gtagttccgg cgattccgag tatgcggaag tgtatcgctc cgtctagagg      180
ttgggtatctg tttatcgaga tgacgctatt gactcggatg ctttcgaagt agggggatag      240
gcgcatagat acgcctccgc ggtgtcctct gaagtggcgc catccgtgga cgcagcgtag      300
acagctcttg tggacgataa cggtctctcg tactcctact ccggtatta tgtagagag      360
gacttgtttc tgaacggata taccattagc gaaggggtac cctccgctaa cgcaggcggt      420
tctaacagtt cttccgggcg ctccgaattt agattgacgc ctccgcagca ttgtgggac      480
ctcttcggtt agccctcttt ataggatttc tctccgccc cgaaagangg ctgggtcgctc      540
ccggcangta tgtctagctc gaacgctttg ttactccttt gttttcgaaa na      592

```

```

<210> 640
<211> 637
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (637)
<223> n = A,T,C or G

```

```

<400> 640
ctttgtggcg gtgngtgtct catttggttg gacttttttg gtcgtaggct tatccgggtn      60
gggctcccga agtagcttag gatcgccggc tagttccggt cccgcccgtc gaaagcgcg      120
ttcggcgggc ggcccccgct tcgttcgagg gctttaccct catagagtgc cagggtctcg      180
ttcttacggg tcgctggcg atagatttta cggcgagagg tcggtatctt cgccgcttta      240
cgttcgggtc gcatctacgc ctagttcaca ggtagtttat gcgcgggagc gcgtgacgga      300
gagggtatac gggacgcgga agaaccgcct ccaaatagact agtacaggct cgttcgggcg      360
tagatctcct cgctcgggtc gcggttctta cttctagggc cgctctacgg ttaaggcg      420

```


tcgttagatc	ttagaaacta	tactcaagtt	tcagtcggaa	gaaaggaagt	agagagaagg	480
gtaaacgatt	acctccggtt	ctagcccttt	ttactcgcat	aacgggagaa	cgggggccgg	540
ctctcagata	cgcctcgcga	gacgtcgcga	ttcaacttta	acctccgcta	gggcatccgt	600
atacgggttaa	cgcggtaaaa	gcgacctcgg	aaacctc			637

<210> 641
 <211> 649
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(649)
 <223> n = A,T,C or G

<400> 641						
ctntgtggcg	gtggttgtct	cagtttggtt	ggatttttgg	gtcgtaggna	acctgggtatg	60
aggtctagtt	tcttcaacga	ttcttggttc	agttacgcga	ccctatcctt	atcttacaat	120
gtcttctaca	tcaggttcat	caattaatat	atcaattaca	cattaacgac	ggtgtgacgc	180
aatatgagaa	agtatacatt	aaggttatta	tatattattc	gcttaaaaag	gttcctgaca	240
tgggacaact	tcacccacca	ttctagaagc	ccccctcct	gtaggacccc	ctcgagttcc	300
ccattatctt	agttcagttt	tcatttttta	accaggaggg	tatcggtttt	taataggtac	360
tattttgtca	aacttttcag	aagctttatc	ttcaaata	cttgccacct	ctgtactagg	420
agcactaact	attcgagtct	attacagctc	aacagaaaat	aattgaaatt	aaacaaccta	480
agtatcgctc	accataaccc	catcgggctc	tcaccccat	tcttcataag	ttctagagca	540
tcctgagctc	tttcttatta	cccttgatgg	tactcatggt	ctaatacccc	ccgcagttat	600
aggtccttat	ggatcctatg	ctaccaccgg	tctaatacct	tctatcaen		649

<210> 642
 <211> 645
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(645)
 <223> n = A,T,C or G

<400> 642						
tccttcggct	tgggtttttt	ttcgtcgcgg	gttactatta	tcgattgtta	cttgtaaagg	60
cgatactccc	accgctcacg	atattagacc	tgctcctcta	gaagcgaacg	gcgataggtc	120
tactcggccg	gcgaagacgg	cgaacgggta	ggaggagcca	tatgcaaccc	taacggagat	180
tataagtact	gggaaaaata	ctagtattaa	ggtagcgggt	taagatagg	ggagagacac	240
tattcacgag	cataagcact	tagaaggctc	tctcgaggag	aggtaggcta	cggactacgt	300
tccttcttcc	tctagcctcg	agagggagta	tagatgattc	gcaaaagaga	atccctccta	360
tacgctggca	taactagacg	acgcgtcgtc	gggaaatctc	gccaacccta	ttgcgacctc	420
caaaaggaag	attgtcgttt	catagaacgc	taatactccg	ggtcttcccg	aatcatagcc	480
gcatatcggt	aagaagacgg	taaaatcgcg	cgattctaac	aagattctgt	agacttaagg	540
ctaagcacta	gaagcgatct	cgattccgga	tcttaagatc	ataactaatag	ttcggtcaca	600
ccagacgacg	attagccact	agaagcccta	ctccgtngaa	accgg		645

<210> 643
 <211> 586
 <212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (586)

<223> n = A,T,C or G

<400> 643

ctttgtggcg	gcggtgtctc	atttgggtgg	atTTTTgggt	cgtaggaacc	tggtatgcag	60
ggtccgcccc	gaattaaaag	cgggatcccc	aaaacgnngn	ttcgcaagaa	gagaagaatc	120
atagcgatag	ancTTTcata	gtacaaaggt	aactaagagg	aaaataatgc	agattcagaa	180
ctagtTgcca	aattagaact	cgattaggcc	aaggatccga	gcctggcgct	atcacttcgg	240
gacttaagct	acggtagagc	agtcggTcct	gaagcatagc	tcccgtagga	cgtaggaaac	300
tagtccggca	cggaggacat	actctcgagt	ctcggaacgt	ctatttagaa	tataaacgca	360
ttaacctcag	aaggcgccga	cgcggTtact	ctctagggaa	ctatttcatt	ccttcgggag	420
ctccccatt	tttccaacac	atataccggc	aaaggaaaat	cttntgtcct	cggTctaaag	480
agagggaaaa	aaaacgatat	ctaggttcgg	gtttatccat	ttaaaaaanat	ngacgcgact	540
actccctttc	aaagggagtt	tccccctagg	nagagtTcaa	cngaag		586

<210> 644

<211> 646

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (646)

<223> n = A,T,C or G

<400> 644

ctttgtggcg	gtggtTgtct	catttgggtg	gcatttttgg	gtcgtaggaa	cctggtatng	60
agggctatTT	gacttgTttc	tcaaatccca	tggtatggTg	ggtggcgTgc	ggggTggcg	120
tcggttcggc	gggggtgggg	gtcgTcctcc	aaaggagTtg	ctagagggct	tttagTggTt	180
ttagggcggg	aaggggttag	agcggagaga	cgTcgTcgTg	gaagcttctg	gcggagcgcg	240
agaaggtagT	tagcgccggT	tcggaagatt	ctcagaattc	gagaagaggT	agTggggcg	300
ggagagagag	tttctaagTc	taaacgtaga	ggTcgTccta	gtcggggccgg	gagtagcttt	360
taagctagag	gtcgaggTcc	tcgTttaggc	tccgggctct	tcgggcagta	tcctctttct	420
cgaggaaacg	agcgaccgac	gtcgtagccg	gaccgcTcta	tccgtacgtt	tagagatacg	480
ctcacctcca	cgggcgtata	tgcccgTata	cgtataaaac	cgtaatatac	tcgcgcgtaa	540
aacacgtata	cactatatac	acgcacTgta	cggaccgtat	agcgTtatatac	gcgcgcgTat	600
attaattttac	acttatatac	gcgttaaacac	gatataTcac	acnccg		646

<210> 645

<211> 654

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (654)

<223> n = A,T,C or G

<400> 645

ncntcggt	tggtttttt	tctgaccccc	cccccccccc	cccccggtcg	acaacgtgcc	60
----------	-----------	------------	------------	------------	------------	----

006230 " 9425960

```

caccgttgcc atcccagcat agotgggttcg ttctgtttta ttcttagtag tttagttcgc 120
ctatagtccc tcgtctatcg tctatcattt aaggaggcgg ggctcgtctt ttagggcggg 180
tatcttaggt attcttctgg ttccggctgc cgtctcggag tctggtcctt ttgctttcct 240
ttcttggtcg aacttcgtgt ttgatcgcgt tgtttctttg gggtcgtcat acctaaagggc 300
cacttcgcca acaaacaagt ttgtgtagtc gtttctatta gggttcgtcg gccggcgctc 360
ttactggttg gcgattttta acgogtttg ttttaatttg cttcctcccc tagggctcgc 420
tcggctctct ctctgttcgc tgcctcgcgc cggccttttg tgcggggata gctccggcta 480
ttancgtgcc gtgtccgtgt ggnttttgtc caatgtgaag gcctaggggt gcgggcttct 540
ttggccatgg nttccccctt tgtgancctt aggggtaacg antcgttaatt naaggtcggg 600
ggttggnata cgtnntangg gangcctgng tccgntatct cttgttttgg cctn 654

```

<210> 646

<211> 645

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (645)

<223> n = A,T,C or G

<400> 646

```

tccttcggct tgggtttttt tctgagcccc cccccccccc cccccaagcc aagtaacacag 60
accacacaaa aacaacgtca acacaacttc gggatatacgg accttaagag agaccccgtta 120
gtagacccta ccacagccat ccaatagtca aacaacaagg gcgcacccaa tccatccata 180
gagctatcaa acaacggagg ggaaaggaaa gagcagggtc aacttagcag agatcgaagt 240
cggcactaat tcctttcaag tactcgctcg gcttgtagtt cggggtaaaag tccgctctca 300
aagggccaac gaggttttaa agcgaccccc gtatcgagtc ttcttcgtat tcattaaggc 360
gttaaaggta cgagacctag aagagagtag aattagccca ccaaatacgcc taaaccggca 420
aaaacgacca aaagtcaaaag acccttacaa atatcacctt aaaacgccaa ccccaaaaaac 480
gcgatcagta acgcacgtac ctttccacag cttttctttc tttcactctc caaaacaaac 540
ccgaatatct agcgcaaaaa atatccgagg gagaattaga agctattacc cgaaaaaaa 600
ncgganangg antaaatngt ggggaatana cgtttggttt ttctg 645

```

<210> 647

<211> 753

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (753)

<223> n = A,T,C or G

<400> 647

```

accttacctg gtaccgggccc cccctcgag tttttttttt tccaaatata actcagattg 60
tatacgaaaa gctgataata cattgacttt tgctgtttta atcccttgag cctttgataa 120
tgattttttt tgtgttaaca attgtagtat ataaaatcgg attcaccatc cttctgatgc 180
catattgatt agtttgattt tatgggtgat ggatcattgt gtgttaactg tattaagaag 240
aaatggattt gattgacttt gcatccattt ttatctgtgt tactttcatg ttttatataa 300
aagcatttct ggaccagaat aagttaagtg gtataatttg ctttttacac gtttatataa 360
ttgaagttag caatgtggca aaatctctaa tggaaataaa atgcttcaga atgatgacat 420
aaatctgagc tatttcttgc ctggagaaca agtgttattc ataataattt aatagcttct 480
gaggtgtttt gttcatgtga tgaaggctta tccaccttgt atcaattcat gggctctgct 540

```

00651236 "032900

```

ttgtttaatg tagtcaggtt gttaatacna gacttaagag tcatcctact gtgataagtg      600
gtgagtgaag attacatgtc ttangaaaat tatactggga atatctctga cattaatggg      660
tttaaagtgt ttaaggctag gggatgatgc aatgganaan atncttccaa angtttctgg      720
ttgtttatat ttgnggaagn catnaagana ccg                                     753

```

```

<210> 648
<211> 383
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(383)
<223> n = A,T,C or G

```

```

<400> 648
gatatcccgg ggaaatgcgg aggcctttng gcttacgtgt ttaccgcgta gggcaaagcc      60
ttgncaaat cccggccagc ggagcggcga ggggtggggac tcacgggaag ttaaacagcc      120
tcgtcggcgt cctcgaggct ccaaaaccag gctctaggcg gggacgactg cagccggtat      180
ggaggccacc gcggctacgg ccgcggctga ggcctcccca ggtggagcgg tggcctggag      240
gggaatcttg atcctgggcc agccacctgt caagaggagg cggagcgtca tgcctctgga      300
agactggatg aatattctcc aggagcctga cgaaggcgaa gaagtctttg cagaggaaat      360
tgaatgctgt ctgatgctac aat                                     383

```

```

<210> 649
<211> 349
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(349)
<223> n = A,T,C or G

```

```

<400> 649
cgattgtnta cnagtcttag agtaagctta agntcgn tac cgagctcgga tccactagtc      60
cagtgtggtg ggaattccat tgtgttggtg cactagtaaa tggatttagc tagacanagg      120
anatttacct tattccattt agcacagtga gganaggcta nacagctagg atgcaataaa      180
aaaaatttta atgagaaatg tgtgtggtag attaattcta ttaatctcaa gttatagatt      240
aaaaaattta agtaccncat aaatgccatt tgcctttgct aangntacat ttttatgaan      300
aangaccntg catacnaat ganatactgg actttnggna cttgangga                 349

```

```

<210> 650
<211> 306
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(306)
<223> n = A,T,C or G

```

```

<400> 650
cattgtgttg ggagcatcct tccatcagct cccatgagaa attctctggt gggtttaage      60

```

aatccccaaa	tatatcatat	tgacatgaat	atatcatctc	ctcaatgtcc	agcattagca	120
gacaagatga	gtgctgaaga	tgatataact	cctacctctt	atgtaggcta	gaggtaaagt	180
ctggctctgc	tgactgtggg	gacataccga	aaaggaatgt	gggttaatat	cagangacct	240
ccctgcagat	ccganantca	gggnctggac	tttctgggan	aggaagcna	aagttatntc	300
tgaacc						306

<210> 651
 <211> 769
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (769)
 <223> n = A,T,C or G

<400> 651						
cattgtgttg	ggcaggggtca	tttctaaggc	atgggctgga	agctttttatt	taaaacttta	60
catgtccttag	aagcactctg	gttggttgcta	ggcagacaat	tttacatctc	ttgctataacc	120
agttgcatga	agttcatcat	gcataattggc	tgtggaaaac	cttaacagca	tcatgtcata	180
aggtttcagt	aagggtttaa	tgaaatcatg	tattaagcac	ttagtatagt	gcaccttaaa	240
tgttagcttc	aaaacaatga	caacctaaact	aatgttgaaa	gaagcttgtg	tttgtaaatt	300
atgtcttatt	gaaagatgtc	atcaaatcct	gttattttcta	atcccttaaa	gtctctcaat	360
gtattttctt	ttgccatata	caatgacagg	accttagttt	aagccagtgg	ttctctcaac	420
ttctaatacca	gagataacctg	ggtgtcccca	agaccttttc	agagcatcct	tgatgtcaaa	480
accattttca	taataatatt	aaaatattat	ttgctcattg	tactcttatt	ctctcccaaa	540
tattcagcga	gttttccaga	agctatataa	catgtggtaa	catcttatca	ctctgacgat	600
taatagaata	tgngnttttg	gattcttgng	tttaaaaattt	tctcactttg	gggttctaatt	660
atggnnacga	ttaatagata	tggnctccat	gaccagangg	ctttaaagca	ntcaataatt	720
tttaagagac	taagnactat	ccttttaaaga	tngngaactc	catcttaatt		769

<210> 652
 <211> 267
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (267)
 <223> n = A,T,C or G

<400> 652						
nnangccctt	taaccattgn	ggcctccacg	cnntggcggc	cgctctacaa	ctagnggatc	60
cgcnactcta	gnanaangat	tggtcttnt	gggntgggcc	ggncgggctg	gggcgttaag	120
cggggctggg	cgcgcgccgn	ggttgnaacna	ggcgcgcccg	ccncacacn	cccggagcac	180
cctcnttgen	gcctntcccc	gtcaccgccg	cgcgcgccgn	tccgcttttt	ccncacccan	240
agcncntttt	atctntgtct	cctccgg				267

<210> 653
 <211> 501
 <212> DNA
 <213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (501)

<223> n = A,T,C or G

<400> 653

```
cccnttnacc cattgctgga ctccacgcg gtggcgccg ctctanaact agtgggatcc 60
ttncnatgag atgnngcgag gaggacnnat ttgctatnct ggatggggct gantcntnta 120
gctnctctag cancagatgg gttatcgagg aagatgactc caangggcta nantcctatg 180
cncatcctaa aanncanctg ctgtnttcag agtacgcgac acatcatcnc tnatgcattg 240
ntgancaaga cgggcangtg cttatcctca gcgangatgc ccttaaccan gagctcgaat 300
ggacntatca cntanaggt acanntnccg caccacacac cngcttgenn cctgacgctg 360
gactggatcn cttaggccac caatnccccg tttncacat ncctgggacn ctananatac 420
toganngggg gcccggtanc caattcgccc taatactgag ccttgntacg nacgctnact 480
ngngtctcta ttanaacggt g 501
```

<210> 654

<211> 710

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (710)

<223> n = A,T,C or G

<400> 654

```
gcgncctttan cncatgctgg gctccacgcg gtggcgccg ctctacacta gtggatccca 60
acactgagtc caccacagna aaactcanca ccaggcagac ccacaactg cagaatccag 120
gctgcaattc acagactaat cntctagacc cacctcagta ccagatggta ccacacagct 180
caaggnttta gggttgctg gtanactcaa tctctatctt tcaccactgc cagcctgact 240
tcagagatcc tgngetctgg acagtctca gtggcaggca actctcagga gctcaggnt 300
tttggcacat ccagnacca gccagctgcc acaggccctg acctntanc aacactgccc 360
atgtattcca gacttctanc ataccacagt gccatgctga ttgcatctat agangctcag 420
gtgcncctca aancgtgtgc tgetgcagna ngccccacgt ctctggcatg ccccaatgcc 480
atngntggna acanttgact tctgggcatg ntgggaattcc ctaccactga ncctgaccat 540
aggngggganc ccattttttt cgaggggggg gcccgcccc caattccncc ntatagnag 600
ncgtanttac gcgcnnctta ctnggcngt ngtttaacaa cgtenntgan ctggggaaaa 660
cccctggngg cnacccaaat taaacngent tgcannacat cccctttctg 710
```

<210> 655

<211> 202

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (202)

<223> n = A,T,C or G

<400> 655

```
cccccttncc ctttcancce ccccgttttg gcngecgccn acacctactn catccaccca 60
cantogacca cccgagcttt tttcogatec cancatcnat gcngattttt tctntgcntg 120
ctngcctgc acctttgnta ggtcaagcct ggcccatctt cgacaacttc ctcatcacca 180
acgatgagge atactctgac ga 202
```

0065280 " GCTG5960

<210> 656
 <211> 308
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(308)
 <223> n = A,T,C or G

<400> 656
 gctgntgaaa gaccacaccg aaaaactctn ctttccgact tccacatgat gatcngcatg 60
 tgggtggtgag agacttatca tgacgacatc gcttccnacc atcgcanccn ctgcccgaagc 120
 ccattcatgg aggcctgggn anttctgtga ntgacntnga cncctanaenc tnccactgtn 180
 tgctatccag acttgnttng aatatnttat tggcnaaana canttnccga atgctgtgnt 240
 tgnnccattga angatctgat cactatgaga ggggtgaggac nncctgctng ctggcantnt 300
 ntaaccn 308

<210> 657
 <211> 696
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(696)
 <223> n = A,T,C or G

<400> 657
 accntttcca caatnctgmn ctccccgcgg tggcgggccgc gtcgaccagc aacctcagct 60
 gtgggtcttg ttacagtaat gagttactgt aaggaaagtg tgacatttcg agcaatttga 120
 tttgtttaaa aactagagca gtttcagggt tttccttgta aatctgtctt atgtgtcttc 180
 aatgttcttt cttagaggag agagaaagga attgttagga atgatgcata aacctaggct 240
 tattttatct cgctgccacc cataatcaga gcagattctt gggactatga cctcatgga 300
 gacatgacaa ttgtgtgtgt ggtgggtggg agaaaagagc tgggaatatt tagggcttag 360
 aggggtccaat caggactatt ttatggagct ctgctcacca actttaagtg agcaccaggg 420
 gtgngaaaagc gaatcttggt ntcaaaaana caatggnaag gggtaagttg gtatnctgaa 480
 ctggccactt cggactctta ttttaactggg tattctcant taaggaggcn nggggtggtct 540
 tggcttgtna aggaaagcct gtgcaatgga atgacttta aaccccccat taaaaaaaaa 600
 angntataaa tcttgggtct taanaangaa gcctgggttc tnttanccca ttttncccc 660
 gggaaggnaa atnttcttag gnaanggaag ggaagg 696

<210> 658
 <211> 698
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(698)
 <223> n = A,T,C or G

<400> 658

09651236 "082900

```

ctggactccc cgcgggtggcg gccgctctag aactagtggg tccgtgttgg ctcaattctc    60
aaggctgttg ctgtgcggcc tgttccccac acgtgctgct cagctcaggc aagcaccgag    120
cttgtgttgt ttcatgctca gcgtggaggc cctcctcca ggtcgctgct ctgtgggggt    180
cccatacact caggctccta ggaggagtcc atttagaaag ccagggtttt tctcagagtc    240
ttagttcctt gtgctgtcat ccatttcaca cgacttgggc cctgctcggg gcaacacagc    300
aagagaaaag acagggaaaa taagagaggg accttgcaca cacacgctct ggaccacaga    360
gccctgtgcc cagctcctct gtcaatacag gtggaatctc gtgcaggatc gcaggggtct    420
gtgatgccac caaagagcag gccgggacag ggtaggaga gaaaggagag ggaagtgggg    480
gtttctccta cgcactctta tttgcagagg gaaaggcggg tttgtattgg ggttgtcggg    540
ctttgcaccc acngcacagt tgtgagacac ccccatcctn agatcaaagc cccacataca    600
gcttggggaa aaacaaaacn aaacaaaaca aaaacagtaa acctccatgc canttgttgg    660
gnaagttttn aatttncttc cccnaccan cttgcttc    698

```

<210> 659

<211> 750

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(750)

<223> n = A,T,C or G

<400> 659

```

ncaanctggn ctccaccgcg gtggcggccg ctctagacta gtggatcctc ctcatgggcc    60
tgatatctc tgaacatatg atgaacattg cttatgaaaa attatttgta ngaaaattgt    120
gaggcctaag aatgntattt tcttttagtg atggtccttg tttgcttctg taaggactt    180
gtgggcactc gtaagcttgg atctctttaa tctaatacca gntttgagat tttcttggcc    240
ccatagatga attaaaactg gcgtacttct tgtttacaag anggataagt ctccatgggt    300
aagtcctttg gggtcccaag tcaaaaagat gagggattta ccagttctct aaccttggta    360
gcccagact ccaaactttg ccttctagtc ccaagaggct atcaaaaagc aaaggccatc    420
ttccaccttc ttttccanaa cagcacacat tccagacagt acttgaaagc aggaacctcc    480
ttatccctta aaaacctctt ggaancatct tccctctctt gcttctacta tgcttggccc    540
acctancatt cncntttttc tggaaaccgg aaaaancttn tgacttnngt tggctacatt    600
cagcttggcc cctacaatn tggtttccat ctgccctaen gaaattttta agggcacttt    660
tttnttggcc cctgactttc nntttttagg gctttccccc angctttgcc ccttttggtta    720
aaggggttat tttccttccc cttttggaag    750

```

<210> 660

<211> 849

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(849)

<223> n = A,T,C or G

<400> 660

```

tcggatccac tagtccagtg tgggtggaatt cgcggcccg cgtcgacgggc agtagtggtg    60
tgcntntcta aatgttataa ttatttcaga attactctgc cagaaagtta tgatcataca    120
tagaagagtt tgtagctaac tttgaaagta gtggaaagtg gttttcatgt attgtttggg    180
ttaatttaat tttgattata tttgggtttt agttcaggta atttttttgt tgaaaacttc    240
aatgacaat ttcttcatgg ttactaaaga tcaactcatgt ggagtagttt cagatttttt    300

```



```

tctgaataca tgtattactt ttagagatgt aaagatgtga aattactaag agagaaaccc 360
atgtgatttg tttagtggat caaaagtcgg tagctccttt gatcctaagt gccactgata 420
gttaaataga tactgaagct atgggcaggc tggattgata agaaaaaagg agacagagaa 480
atgggaaatt gggaaagaac tgtgcaaata ggaaaaggag agagcaacag aacagaatta 540
gtaccacagt gccgaagtgc cacctcaggt acttccatct cccatctcct gaagaattca 600
gtaacagttt gcaaattggtc aacacaatca tttagtgate ctggttgata ttttcaatac 660
tttctgggga tttcttggct ggnttcaaaa gatgatgctg atagttttat tgccccctgaa 720
gggtattctga agnttancat aattttattgg tcagtaaaat atttgaataa aagngganga 780
aggaaaatct ggcntcttat tttgggatnt cngcnggggg aangaggata taattnacc 840
cggccttgg

```

```

<210> 661
<211> 653
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(653)
<223> n = A,T,C or G

```

```

<400> 661
aacttaagct tgggtaccgag ctccggatccc tagtccagtg tgggtggaatt cgcggccgcg 60
tcgacctcca ttcgtttctt gtcctttttt ttcatttttt ctcattgttct attcacttta 120
ggttttctaag ataaatatta taaaataatt tttacttata aattattcac tgataccctg 180
tctttaacat gtgaaatgaa ttcaaaagga atcttaatga gaaataatat actcatgatg 240
tttaatagat ttgatttcga aataataagc cctctgaagt cctaagttaa aaataaagca 300
acttgtttga taatttttca tcaagaatgt atctgagtct ctgagtaatt attagtagga 360
atattccatt atcacaatta cacagtataa gctatttagt ctaactttac caaaaaaggg 420
agctacttca acactgtgtg agacttttaa tgggtttgca ttgggtatgc actattagca 480
agataaaccta ttttacagca gtgtttntta acctttccca tttatttgaa aggcagctaa 540
gatatagtag ttaatntaan gggctgatgc atttatatta catgtagana atgggagata 600
cnaaaggagg nggggggana tnttttgnat tcnnaagctt cnttgncaat taa 653

```

```

<210> 662
<211> 646
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(646)
<223> n = A,T,C or G

```

```

<400> 662
aaacttaagc ttgggtacccg agctcggatc cctagtcag tgtggtggaa ttcgcggccg 60
cgtcgaccga gggacaggca gccagnctg gggtcaccag ggtccccctt tgggccctcc 120
aanagcaaca gtactggcaa cagctgggat ttgctgagca cagactctgc agcaggctcg 180
gttgagctct ctgtgcctgt tccttcatac catcctcacg cccatccatg agatgggtcc 240
agctgttttc agatgagaaa atggcacagg aagctggtaa gtgacagtca gaaatgaatg 300
ctggcagctt antccttggg cccaccgcag tgcaggacct tgctcaacag ggatcaccct 360
tgtccgccac ctgttcatga ggccaccag ggtttgtgtg gtcatttgtc tcctttcatc 420
tgcttgccct caaccagctg ggtcattagg gctggggaac ccagacccca cacagtcctt 480
ctcccagang ccagacacan nctncgccac agnaaggact tcagtccccg aancaaatgt 540

```

```

nccctgggcgt anaaactgna gggnccccaa tccctgggtgg ggtactgctt tgcactggng 600
gaattcaccc ctcattgna acctttccct nttncaccc ctaaac 646

```

```

<210> 663
<211> 650
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(650)
<223> n = A,T,C or G

```

```

<400> 663
aacttaagct tggtagccga gctcggatcc ctagtcagtg gtggtggaat tcgcgccgc 60
gtcgacgtcg acgcgccgng ccgtttcgac gcagttgata catattatta tatactacat 120
nggttttcta gaattaaaaa attaatgtgt agtgccagcc ctagatgtaa gttacatata 180
tcaactctat ccaattttgt cagccataaa acttaccttt ttcacatact tctaactcta 240
acaatgtgag aaatgtagat cattgcaatt ataccacaa ggcagatggc tacatgcaga 300
atggatagca gaatctagct acttacgcta gccacatggg agacgttttt tcctttgttt 360
ttgcaaaatt gcaatataag ttgcatatcg ttagagtga aagatgtaaa gaacccatag 420
aagccagtga tgaaggacat ttatatatttc acctttacaa angaccttaa aattgcctat 480
gtggagcaga aactggagga gggcnaancc atcngtaaaa aaaattttgn tncattttgg 540
atttgggcac cattattacc tccccaggtt cctttttgnt ttaacctttc ttttaaaaaa 600
aataattcnt aatttttggg caaaaaaaaa caaggttttt atttaaattt 650

```

```

<210> 664
<211> 678
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(678)
<223> n = A,T,C or G

```

```

<400> 664
taaaaaatcta gactacacta ggaaattatt ttantatcag aagaatatca ggggtgtagt 60
actcatcana gctaaatgag agcgctttta aaatgttagt ttgtcttcg ccatttctac 120
agaaagctgc aatttcaggt tttcaacctt ataggtgata ttttaagaaa aaaaaagca 180
atcgcaaata gccccactgc ttttacaat cattttttct cttctaggta tagcctgtca 240
ggtggcctaa tgtaattttt gacatctcta ggaattttta tagaaccaga aatgggtgcc 300
agagatatgc ctgcactaat cttaagtggg gatttatgta tttctcaagc aagtgattaa 360
agcaaaacta ggcacgattg aaatcaanat cttttaggca agaaagtcac gatgagtttt 420
anaattattt taggactctg tggctttctc ttcatagaaa tagaaaaaaa aaattgtata 480
aaaaccacaa aaggctcctga atagcccaaa gcaacactga acaaaangaa caaagcagga 540
agcaacacac taccggaatt caattatact accaaggtgt antaaccaaa acagcattct 600
attgggcata aaatagacca aagaccagtg ggaaacagaa taaagaancc caaataaat 660
cctatatatta cngccnc 678

```

```

<210> 665
<211> 694
<212> DNA
<213> Homo sapien

```

006230 " 9E2T5960

<220>
 <221> misc_feature
 <222> (1)...(694)
 <223> n = A,T,C or G

<400> 665
 cttttcaaatt cattttttnct cttctaggta tancctgtca ggtggcctaa tgtaattttt 60
 gacatctcta ngaatttttaa tagaaccaga aatgggtgcc agagatatgc ctgcactaat 120
 ctttaagtggg gatattatgta tttctcaagc aagtgattaa agcaaaacta ggcacgattg 180
 aaatcaagat ctttttaggca anaaagtcac gatgagtttt agaattattt taggactctg 240
 tggcttttctc ttcatagaaa tagaaaaaaa aattgtataa aaccacaaaa ggtcctgaat 300
 agccaaagca acactganca aaaagaacan agcagggaag caacacacta ccngaattca 360
 aattatacta ccagggtgta gtaacccaaa cagcattcta ttggcataaa atagacacca 420
 agaccaatgg ancagaataa agaaccacac aaataaatcc atatatntac cgccanctga 480
 ttatcaataa cnaacaccaa gaacatatnt taagggaent nctatttcaat aantagtgtc 540
 ggnaaaaact gggaaatcca tatgcagaaa naatgaaact agacccttat ccttcacat 600
 acgcaaannt caacttcgga atgggattac aaaacttaag acattccaac ccaagaaact 660
 atnaaancta ctattaagaa aacagatcnc nccc 694

<210> 666
 <211> 705
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(705)
 <223> n = A,T,C or G

<400> 666
 tttaaaaatt tagatacact angaaaatta ttttagtatac agaagaatat caggggggtgt 60
 agtactcatc agagctaaat gagagcgctt taaaaatgtt agtttgtctt ccgccatttc 120
 tacagaaagc tgcaatttca ggttttcaac ctaatagggtg atatttaaga aaaaaaaaaa 180
 gcaatcgcaa atagccccac tgcttttaca aatcattttt tctcttctag gtatagcctg 240
 tcagggtggcc taatgtaatt tttgacatct ctaggaattt taatagaacc agaaatgggt 300
 gccagagata tgctgcact aatcttaagt ggggatttat gtatttctca agcaagtgtat 360
 taaagcaaaa ctaggcacga ttgaaatcaa gatcttttag gcaagaaagt catgatgagt 420
 tttanaatta ttttaggact ctgtggcttt ctcttcatag aaatagaaaa aaaaattgta 480
 taaaaccaca aaaggtcctg aatagcccaa gcaacactga acaaaaagaa caaagcagga 540
 agcaacacac taccagaatt caaattatac taccaagggtg tagtaaccaa aacagcattc 600
 tattgggcnt aaaatagacc naagaccaat ggaacagaat aaagaaccca aaataaatcc 660
 atatttttac agccagctna ttatcaataa aaacnccaag aacnt 705

<210> 667
 <211> 817
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(817)
 <223> n = A,T,C or G

00654236 082900

```

<400> 667
nnangacttt tgtggtntta tacaattntt ttttctatth ctatgaagag aaagccacag      60
agtcctaaaa taattctaaa actcatcatg actttcttgc ctaaaagatc ttgatttcaa      120
tcgtgcctag ttttgcttta atcacttgct tgagaaatac ataaatcccc acttaagatt      180
agtgcaggca tatctctggc acccatttct ggttctatta aaattcctag agatgtcaaa      240
aattacatta ggccacctga caggctatac ctagaagaga aaaaatgatt tgtaaaagca      300
gtggggctat ttgcgattgc tttttttttt tcttaaatat cacctattag gttgaaaacc      360
tgaaattgca gctttctgta gaaatggcgg aagacaaact aacattttta aagcgctctc      420
atttagctct gatgagtact acaccctga tattcttctg atactaaaat aattttccta      480
gtgtagtcta aactttttta aaaagacatg taatccgcgg agtttgtaac tcaaaacgag      540
tgcacttagg aggtatcgca agccgtttct ggattaaatt ccagctagc ttgcttgctt      600
agcaggggcy ggnaaanaag acatctgcag cctaggggaag aaaacctttc gcattgttct      660
tacgtgttta cgttatttta tttcctanaa caaggcngaa ttgggactcg aatggttcag      720
ttggggtggg ggatccccctg gtncataaaa ngtcanaaag anggtacagg cggaacncca      780
agggtcgtcc tgcatttana ctcggaattt tggtgcc                                817

```

```

<210> 668
<211> 826
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(826)
<223> n = A,T,C or G

```

```

<400> 668
cgggggggnt tacgtctctc tggacgcttt tattgtacca gggcgatccc agcccaactg      60
taccattcga gtccctactc ctgccttgct ctagggaat aaataacgt aaacacgtaa      120
gaacaatgcy aaagcgthtt cttccctagg ctgcagattg tcttcttcac cgccctgct      180
tagctagcta gctagctggg aatttaatcc agaaacggct tgcgatacct cctagatgca      240
ctcgthttga gttacaaact ccgcggatta catgtctttt taaaaaagtt tagactacac      300
tagggaaaat tatttttagta tcagaagaat atcagggggt gtagtactca tcagagctna      360
atgagagcgc tttaaaaatg ttagtttgct ttccgccatt tctacagaaa gctgcaattt      420
caggthttca ncctaatagg tgatatntaa gaaaaaaaaa acaatcgcan atagcccact      480
gctthttaca atcattthtt tcttctaggt atagcctgtc aggtggccta atgtatthtt      540
gacatctcta ggaattthta tagaccagaa atgggtgcca gagatatgcc tgcactaatc      600
ttaagtgggg atttatgtat ttctcaanca agtgattaaa gcaaaactag gcacgaatga      660
aatcaagatc tttaggccag aaatcatgaa nantthtana attattthtan gaatctgtgg      720
cttctcttct taaaatngaa aaaaaaattg tttaaaccca naaggtctga ataccaagc      780
nccctgaacn anagaacaan gccggagcac cccctcccaa atcccc                                826

```

```

<210> 669
<211> 547
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(547)
<223> n = A,T,C or G

```

```

<400> 669
cattgtgttg gggaaaaaat gatttgtata agcagtgggg ctatttgca ttgctthttt      60

```

```

tttttcttaa atatcaccta ttaggttgaa aacctgaaat tgcagctttc tgtagaaatg      120
gcggaagaca aactaacatt tttaaagcgc tctcatttag ctctgatgag tactacaccc      180
ctnatattct tctgatacta aaataatttt cctagtgtag tctaaacttt tttaaaaaga      240
catgtaatcc gcggagtttag taactcaaaa cgagtgcacg tnggaagtat cgcagccggt      300
nctggatnaa attcccagct tgctngettg ctnagccggg gggcggtnaa aaaaacatct      360
gcagcccngg ggnaaaaacc ttgcgattgt tcttacgtgt ttacgttatt ttatttcctt      420
nnagcaaggc ngggantttg ggactcgaaa tggtagagtt gggctgggga tcgcccttgt      480
tacataaaag ncgtccagaa gagggacggt tacaggcngg ganctccaaa ggtcagtcct      540
tgccatt                                         547

```

```

<210> 670
<211> 232
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(232)
<223> n = A,T,C or G

```

```

<400> 670
cgaactatct agactaccta ggaaaattat tttagtatca gaagaatata aggggtgtag      60
tactcatcag agctaaatga gagcgcttta aaaatggttag tttgtcttcc gccatttcta      120
cagaaagctg caatttcagg ttttcaacct aataggtgat atttaanaaa aaaaaaaagc      180
aatcgcaaat agccccactg cttttacaaa tcattttttc cccaacacaa tg              232

```

```

<210> 671
<211> 214
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(214)
<223> n = A,T,C or G

```

```

<400> 671
ctcccccttc ntccttcgct actnncnatt ttcnnaaatt tntttcgcnt atgnggaaaa      60
acaccacat tnttcanctc gcacagaaca ngnggggggt tgtaaaatga agggcttcen      120
cncctttctt tattnaanaa cactnaaana ggganggggt aaaacccgcg ngatntctac      180
nctatcgcgg gcgcttttgg ngttggctag aaga                                         214

```

```

<210> 672
<211> 328
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(328)
<223> n = A,T,C or G

```

```

<400> 672
ngancagcgg ngtttaaacg ggcctctaga ctcgaggaga cncctgttgg atggtggatc      60

```

006280" 9225960

```

acanntcgnt actactatac aggacagagt atcggganct cttggntggt ggngcctgcc 120
aaccactgct nctgttaact gcgtatctga agggactcgg actggcttca gaagaactac 180
cggctcgaat gnaccatgga tgattcncnc tagttgaaaa aaaactcagg cacatgtatt 240
gccactgatg actagcgcca gactnctctc ggctctntaa cgagcccaca tgncngtggt 300
nncnccgtgc tgnctccaga agaggttc 328

```

```

<210> 673
<211> 223
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (223)
<223> n = A,T,C or G

```

```

<400> 673
gggggcaaag ctggctagcg tttaaactta agcttggtac cgagctcgga tcccnagac 60
attgtgcatg aaaatgcaaa ttgagtgtgg tctatantgc catentcacc tncngncgc 120
tcaaaacaac ngctttctgc tgcaatgggt agggctcctn acncacggtc gcnnacggag 180
gcenncttat cctontcggt nnggatccct ngaagcatnt tct 223

```

```

<210> 674
<211> 256
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (256)
<223> n = A,T,C or G

```

```

<400> 674
gnggggtcnt ngatgagcgc gcgtaatacn atcactntcn ggcgngntgg gtaccggggcc 60
ccccctnaa ggggcgcgcc ttttttntt ttttttcatt acatgataan ntctttnttc 120
taaacagacc acaccactan agttcctttt ctttngtacg gaattgagtt aaagtagagn 180
atacaatgca gggcttcnnc tetattttcac attccaggnt ggttcngnat ggatcgggcc 240
tgctctccg atgggt 256

```

```

<210> 675
<211> 439
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (439)
<223> n = A,T,C or G

```

```

<400> 675
nnactagtcc agtgtggtgg aattccattg tgttgggctt gtatggggtt ttttgtctag 60
ttntttggga aatgttngtg ttactatntt ttggatatna tatatgatat gtatggccct 120
tctatgggct cctcanacng aactcaacca ttttcacaaa aacnattcc tcttttcct 180
tcatgactga gtgggtgttg tactatccng gaaactggga cattgtcctt cacatctntc 240

```

```

ccttanctgc ctngtccnat tgatgtcttt gagctntgan atgtctttgt taactntctc 300
ctnctntctgt actgccggca naattaagca ccatntgtca caaaaagtat tgcgttacct 360
tcacgnatct gttngttncc atncttgctg cttctccngn ggaaaatagg ctnttctggc 420
aaccgaacng aanaaatac 439

```

```

<210> 676
<211> 587
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (587)
<223> n = A,T,C or G

```

```

<400> 676
ngngnggcctn attaagcgcg cgtaatacna ctcactntgg ggcggaattgg gtaccgggnc 60
cccctcaagt tnatntgccn aacctctctt ttggaataac aaaagggtta acacatatgt 120
cctcataggg acgcgctttc acacnttctt gacngcttca tanacntcat tntctatttct 180
cctcagnaca agttnaggcn gaagggtgagg canacnttat aatttccatt tcacaaatnc 240
ggaaagtgag gctcaaaggg nttaaaaaat aacctgatac aantcataga gccggtntct 300
ggaanaagca ggagcaaagt ccaggcatcc tgatccaagc tnggtccact gccttccact 360
ctggagaggg ttcattctccg acaaaggaag ggacntgagt ggctgganaa tctcatggga 420
taaagacctc agnatttcat gctcctggaa atcccatggg ttgaacaaca ggtntttggc 480
cogtggttct ntccctttgn ccatctttta accttggggg aaatgatggc ntctntnagc 540
nttttttttn aaagagatng aaattgaatg attattngct cattggg 587

```

```

<210> 677
<211> 444
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (444)
<223> n = A,T,C or G

```

```

<400> 677
gtggggcatn attaagcgcg cgtaatacga ctcactatag gggcggaantg ggtaccgggc 60
ccccctcgaa gcggcgcgccc tttttttttt tttttactgt ccaaactntc tatngatnta 120
gttgaactgt ncaacgattt catgaaatcc tatacacana gccttcaggt ccagagagta 180
aaacaaatth aaatttnttc accanattgn agcagncana agcatccnat natatccgac 240
tacaatgaat natatgctna nggtanctna tttaccact ntgggggtctt tanggtctgt 300
cacaaactat tttcgtaaac atcnntttta anttnggtga atggacctaa tnccagataa 360
ntctatttna tntaccctag catnctctgt gctnactttt cgggctgtgt tggcntactt 420
ttaggagaaa attggtataa atnn 444

```

```

<210> 678
<211> 670
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature

```

<223> n = A, T, C or G

actagtccag	tgtggtggaa	ttccattgtg	ttgggagcag	tttaaaaaaa	aaaaagacna	60
aatatacnac	tcttgatnaa	acataaaggt	acagtgggtct	atgaggaana	gaaaaggtac	120
ctnaggatgc	aaaantacct	accacatggg	aaccgttngt	ccacactcat	tccnnanaaa	180
accgagtcct	ctcanttnca	cacgtgtacg	tttcagttgg	gaagtgcctg	ccattactcc	240
naagcctaga	accttcacgt	cctgaagggt	ctggaagggt	tttcagattg	cttaaganac	300
gnggcccttc	catattcntc	tccactaccc	nggggaacgg	aacaaatgga	gctgcgacng	360
ggaagcgctc	cttcccntcc	gaacgctttc	tttcaaacct	gcctgccttc	cnggcgaatg	420
gaccggaagg	tttnctnct	tcctttcanc	ccnaattact	tcctgngttg	aaaattggcc	480
tgttggtttg	caaatgcngg	aatttgttta	ctttcntcat	gtcctgtgtt	gnncnaaccg	540
gctcncttgt	tgctcccttc	tngaaagggt	ttcatcaggc	cccgcctttt	ctcttntaan	600
ngtcctaata	cggncnggac	cactcgggga	aaattttttc	ttttcgaaaa	gccgcccent	660
ccgtccqgct						670

<213> Homo sapien

<223> n = A, T, C or G

actagtccag	tgtggtggaa	ttccattgtg	ttgggagtag	gtctactaca	ncctacttcc	60
cctatcatan	aagancctan	caacnttcat	gatccccccc	tcntanncct	tttcctcanc	120
tgntcctag	tctgtttgt	cctnttccta	acantcntaa	ganagatnac	taatnctact	180
atctctnacc	tccggaanct	acaanacgtc	tggaaactatt	cngaccccat	gcancncnat	240
ntccatcgt	cctcccagcc	cctncccttc	ctttacntta	ctnaacgaag	gtcgacgata	300
cctcccntac	ctcccnnc	attgggnccc	aanggnactg	gacctcacga	ntacaccnac	360
tacggggnga	ctaagnctgn	aactccttac	atatntcccc	gttacccecn	gaacncagcg	420
aacnqcnaca	ccttqqacnt	caaqaanta				449

<213> Homo sapien

<223> n = A, T, C or G

tttcngtgtg	gtggaattcg	cggccgcgtc	gacgagaaga	nggaggagga	naaggagaag	60
gagaagaagg	agaanaagga	ggagaaggag	aagaaggaga	agaaatcatc	atcatcatca	120
tccactgtct	ngcaactatt	taagtttgcn	antcccttga	aaacagggtac	ttttgtttca	180
atgtttggga	ccactnctga	cnatgannag	aanaccaata	aatgcttgat	naatgaaaaa	240
nccacttttt	acctgttaga	accctgaggc	taagagaant	gatgtgactc	gacttagtta	300
ccacaaacta	tgatcctagc	atnaattggg	gcactcaac	acctcaactc	cctgtgcaag	360


```

aacagatttt caatgtctac tgatgatttt aaatggatta ntctctctct ttactttctta 420
agggcatgaa gntttatgaa acaaaactat ncagttccag acgcttaacc cacatagtgt 480
taatagtcac cttcaacaca cnactaaacc cccaaaaaan gntttttacg gngtttcgac 540
agttttcttt tctttttgac ttgnttaaca cccnngacaa ctttgtnctn tttccntgaa 600
tcacanccttt cnaanancca atggtnccgt tttttctcnt tcnngggccct tcccttnttn 660
aaaaccanatt 670

```

```

<210> 681
<211> 494
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (494)
<223> n = A,T,C or G

```

```

<400> 681
tcatgggtgtc cacagtctga tgtgagcgca ttaaatttaa ggatctccgc ccttctcctt 60
aaaactcagg acttggcaat gancctagga agcgccccctc cctccccan ccanatccaa 120
gccccggacc gctgcnctc cagctgcgcc tagtgaaacc gccgaattcg aattcacact 180
cgngggggccg gcgaaggtgt gcgcgccccgc gggagcgccg gggcnagccc gagggactgc 240
aagccaanaa nggaggcatg ggtggcgggg ggcgcgctct gatccaggaa ggagcggagg 300
cgccgatcac aactctttna gacgcctgc ccgcgcctgg ccagcgcgca gnetgcagga 360
cgcgcgaggc aggaactcgc tggagtttgc caagccccan gnetctggaa agtntgtagc 420
tccctttcgg ancgnetctt ctggcccttt gggacgggtg tgtcattggg cggggggtctg 480
tataaggggg ggac 494

```

```

<210> 682
<211> 263
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (263)
<223> n = A,T,C or G

```

```

<400> 682
tgatcattca agcgntgngc gnataacgat tgctnagccc aacctttcat agggtcgttc 60
ctttgggaat nggatgtcta ttgaatggca gggatagggg cactcggcac tcgcctctgg 120
tacagttttg catatatatc ctcatcgca gcgagcgtag gggancgtta agtttgggga 180
aatgcnccg catgnccctn cggagctta aacccccaac aatnccatt ttnaaaaaag 240
ntttnttant taaaaaaaaa aac 263

```

```

<210> 683
<211> 255
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (255)
<223> n = A,T,C or G

```

<400> 683
 cttgcccggc atgcacagac ntnttttacgg acacnctact ccaagngagc ctgnanctgt 60
 ctacgggtcaa nctctaaggt tngncantgc cacanatggc atagtcccga gggcggtnan 120
 tctggantgc tctctgcact tgaacntaaa ggcgntttca aganaggncat aatngcctgc 180
 ctcttgacaa cnaacaancc cacaccnacc tangaccctn tangcaagga ctggattctg 240
 naaatgcaat acaca 255

<210> 684
 <211> 922
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (922)
 <223> n = A,T,C or G

<400> 684
 acccttcatt tcatgtgctt ctattttccct acatctttta catgactaag ggattaatga 60
 aatcacctct tcataatcat gaccataatt tcatccaaca agtactcaag tttgggtgta 120
 gcactttatt aatgcttacg aattctctct ctctccctct ttctcttttc cttagtcctt 180
 gcacaataag gatttttgaa tgtataatat catcttaggt aagctttcat atgggttttg 240
 catatgaagc ttatgactgt cataagccat accaagcctg tggagtatgg catgattttc 300
 attacataat ccaatgaaaa tagacttatt ttaaatecct aactttgtag ttttaatttg 360
 tatttcacta tcttgaaatt aacagctagt acttatccat cacagcagtc tctactgac 420
 atgaagcaag ttgttgaatg cagtaganca tgaatgaaag catttaatgt tanacaaaaa 480
 tgggtgatac ccaagcattc tgaattatct gcataagga atgggacatg tacattagtg 540
 gcatactttc taccaatatg tgacttgaat tgttttttta aaaaaaggan aatgantttc 600
 tcaatttgct ttaaaaaatt ttnaaaaagt tcaatggcat gctgctttgt ctggacttaa 660
 tttattaaca attnttaanc ctctcttaag gacanaattt tgggtgttcag gatcncctg 720
 aagggtctta tttttnatan nattccaaac ccaaaagggt gtttaaaatg gnggggttcc 780
 ccccncaaaa atttggaacc gcttttttat atttaaaaaa nttncnttt gngtttgaaa 840
 nctnaatacc aattaagggg gaattttacc tncagtgagg aaaaaaaaac nctngcctt 900
 naaaaaattc cnggagnca at 922

<210> 685
 <211> 531
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (531)
 <223> n = A,T,C or G

<400> 685
 tgaggctctg taaaactggt cctctgctag gcatacttca tattctctat attaaactca 60
 tctttaattg gcatggaaga ttcattgttc caaatctcag atgaagatcc tatattggat 120
 gcaattaagc ctggcagcgc cctcaaaaga cagtcttgct actgctagcc acagccagga 180
 cacagtaaca gttccttcta gtgaccnag accataanaa atananatct aaagaattct 240
 gactccaaag gcattagccc attcctggta ttgccaatta tgatagaaaa aattgccaag 300
 ctctggggac atggaaatac actcagtaca tttgagaact ggagaactan tttccaaaat 360
 agtatgaaga catganggtg attgtagata tntgagtttg gagaanttga gggaaatcng 420

attacacatg tttactacaa gagatgttna taagtaaaga aggcttgata tacaatctaa 480
cagacnantg agataaatct taantcacia ctgacntccc ttttggggcg g 531

<210> 686
<211> 336
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1) ... (336)
<223> n = A,T,C or G

<400> 686
ggngncctna tgagcgcgcg taatacgatc atatagggcg aattgggtac cgggcccccc 60
tcaagaacac tacaagctat gtccctcttct canagagccc tgaantttta acatattgaa 120
agctctnatc ttgccaaana actccactta acttcaaaac acaccctcca cacacatcat 180
gatcaactna gatcttactg aaccagaatc ctnaatggca tacttcagga acaggggtcc 240
anagaagcag ttctcaaant gcagctnaaa aagaaactga aaaccaatt catgcaanac 300
ctagggctta tttgagagca ttttccagtg cagatt 336

<210> 687
<211> 271
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1) ... (271)
<223> n = A,T,C or G

<400> 687
aatctgcact ggaaaatgct ctaaaataag ccctaggtct tgcattgaatt gggttttcag 60
tttcttttta agctgcactt tgagaactgc ttctctggac ccctgttctt gaagtatgcc 120
atttaggatt ctgggtcagt aagatctcag ttaatcatga tgtgtgtgga ggggtgtgtt 180
tgaagttnag tggagttctt tggcaagatc agagctttca atatgttnaa acttcagggc 240
tctctgagaa gaggacatag cttgtagtgt t 271

<210> 688
<211> 740
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1) ... (740)
<223> n = A,T,C or G

<400> 688
tgatgaagcg cgcgtnttac nactcactat nggggcgaan tatgggtacc gggnccccct 60
cgaagcggcc gccctttttt tntttttttg tgagagttaa aataaaatat ttgagttaa 120
tttaaagttt gagtttaatt aaaatatatg gcatatccca agttgggctt tgcanaaaga 180
acacttctca ggaactgtta gttgggtgtac caggaactca gaagggtoct gttattaaat 240
atatttgga aatgcatgga ttctctgaan atcncctctgc atgtgagcaa cacttacatc 300

ncaaaccaaa	attggcattg	catacatnaa	ccaatatttc	ccaaacattt	ctggttatgg	360
ccccccct	ttgtgtanta	cttattgctg	ttttttggaa	ccctggggaa	attacttaaa	420
atattcagct	ggaaattaca	ggcgttactt	ttaaggganc	aagaattaca	gtgactccca	480
aaattgcaag	tggttgattac	tatttaagaa	ccaagaatt	tgaaagaaat	tttgaagaa	540
gaaaacngga	aatnttaaat	gacttctcaa	atnttgaaaa	ctcnggnaaa	catctccact	600
ttggtncct	tccttttaaaa	attggctaaa	aatntttnt	tatnccacc	ccattggaan	660
tncccccccc	ctggaacaat	tggattcccc	tatttcctaa	aaaacggccn	ccccccccgg	720
ggngaacncc	naenttttgn					740

<210> 689

<211> 635

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(635)

<223> n = A,T,C or G

<400> 689

actagtccag	tggtggtggaa	ttccattgtg	ttgggattac	atatactttt	agcaattttt	60
aaagaagtgt	acaaagttga	gatgtttcct	gagctctcat	atatctgana	atgtcatttt	120
acatctccgt	cttcacctct	caaaacttct	ttcaattctt	tggtctttaa	tagtaatcaa	180
cacttgcact	ctggagtcac	tgtaattctt	gtcctcttac	agctacnct	gttatttcca	240
gctgaatatt	tttagttatt	tcccagggtt	ccaaaaaaca	gcaataagta	ctacacaaag	300
ggggtgggcc	ataaccagaa	atgtttggga	aatactggct	catgtatgca	atgccaaatc	360
tggtttgcna	ttgtantgtt	gctcacatgc	agagtgaatc	ttcaanaaat	ccatgcattt	420
tccaaatata	tttaataaca	gggaaccttc	tganttcctg	gntacaccaa	ctaacagttc	480
ctgaaaaatg	ttctttctgc	aaaaccaca	ttggggatat	gccatatatt	ttaattaaac	540
tcaaacttta	aattaaactn	caattatttt	atntttaaact	cctcaaaaaa	aaaaaaaaaa	600
agggggggcc	cttccaangg	ggggnccggt	tcccc			635

<210> 690

<211> 3923

<212> DNA

<213> Homo sapien

<400> 690

acagaagaaa	tagcaagtgc	cgagaagctg	gcatcagaaa	aacagagggg	agattttgtgt	60
ggctgcagcc	gagggagacc	aggaagatct	gcatggtggg	aaggacctga	tgatacagag	120
gaattacaac	acataactt	agtgtttcaa	tgaacaccaa	gataaataag	tgaagagcta	180
gtccgctgtg	agtctcctca	gtgacacagg	gctggatcac	catcgacggc	actttctgag	240
tactcagtgc	agcaaagaaa	gactacagac	atctcaatgg	caggggtgag	aaataagaaa	300
ggctgctgac	tttaccatct	gaggccacac	atctgctgaa	atggagataa	ttaacatcac	360
tagaaacagc	aagatgacaa	tataatgtct	aagtagtgac	atgtttttgc	acattttccag	420
cccctttaaa	tatccacaca	cacaggaagc	acaaaaggaa	gcacagagat	ccctgggaga	480
aatgcccggc	cgccatcttg	ggtcacatgc	gagcctcgcc	ctgtgcctgg	tcccgtttgt	540
gaggggaagg	cattagaaaa	tgaattgatg	tgttccttaa	aggatgggca	ggaaaacaga	600
tcctgtttgt	gatattttatt	tgaacgggat	tacagatttg	aatgaagtc	acaaagttag	660
cattaccaat	gagaggaaaa	cagacgagaa	aatcttgatg	gcttcacaag	acatgcaaca	720
aacaaaatgg	aatactgtga	tgacatgagg	cagccaagct	ggggaggaga	taaccacggg	780
gcagaggggc	aggattctgg	ccctgctgcc	taaactgtgc	gttcataacc	aatcatttc	840
atattttctaa	ccctcaaaac	aaagctgttg	taatatctga	tctctacggg	tcctttctggg	900
cccaacattc	tccatatatc	cagccacact	catttttaaat	atttagttcc	cagatctgta	960

ctgtgacctt	tctacactgt	agaataacat	tactcatttt	gttcaaagac	ccttcgtgtt	1020
gctgccta	atgtagctga	ctgtttttcc	taaggagtgt	tctggcccag	gggatctgtg	1080
aacaggctgg	gaagcatctc	aagatctttc	cagggttata	cttactagca	cacagcatga	1140
tcattacgga	gtgaattatc	taatcaacat	catcctcagt	gtctttgccc	atactgaaat	1200
tcattttccca	cttttgtgcc	cattctcaag	acctcaaaat	gtcattccat	taatatcaca	1260
ggattaactt	tttttttttaa	cctggaagaa	ttcaatgtta	catgcagcta	tgggaattta	1320
attacatatt	ttgtttttcca	gtgcaaagat	gactaagtc	tttatccctc	ccctttgttt	1380
gatttttttt	ccagtataaa	gttaaaatgc	ttagccttgt	actgaggctg	tatacagcac	1440
agcctctccc	catccctcca	gccttatctg	tcaccacat	caacccctcc	cataccacct	1500
aaacaaaatc	taacttgtaa	ttccttgaac	atgtcaggac	atacattatt	ccttctgcct	1560
gagaagctct	tccttgtctc	ttaaactctag	aatgatgtaa	agttttgaat	aagttgacta	1620
tcttacttca	tgcaaagaag	ggacacatat	gagattcatc	atcacatgag	acagcaaaata	1680
ctaaaagtgt	aatttggatta	taagagttta	gataaatata	tgaaatgcaa	gagccacaga	1740
gggaatgttt	atggggcacg	tttgtaagcc	tgggatgtga	agcaaaggca	gggaacctca	1800
tagtatctta	tataatatac	ttcattttctc	tatctctatc	acaatatcca	acaagctttt	1860
cacagaattc	atgcagtgtca	aatccccaaa	ggtaaccttt	atccatttca	tgggtgagtgc	1920
gcttttagaat	tttggtcaaat	catactggtc	acttatctca	actttgagat	gtgtttgtcc	1980
ttgtagttaa	ttgaaagaaa	tagggcactc	ttgtgagcca	ctttaggggt	cactcctggc	2040
aataaagaat	ttacaaagag	ctactcagga	ccagttgtta	agagctctgt	gtgtgtgtgt	2100
gtgtgtgtgt	gagtgatcat	gccaaagtgt	gcctctctct	cttgacccat	tatttcagac	2160
ttaaaacaag	catgttttca	aatggcacta	tgagctgtcca	atgatgtatc	accaccatat	2220
ctcattattc	tccagtaaat	gtgataataa	tgtcatctgt	taacataaaa	aaagtttgac	2280
ttcacaaaag	cagctggaaa	tggacaacca	caatatgcat	aaatctaact	cctaccatca	2340
gctacacact	gcttgacata	tattgttaga	agcacctcgc	atthgtgggt	tctcttaagc	2400
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<210> 691

<211> 882

<212> DNA

09651236 - 082900

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(882)

<223> n = A,T,C or G

<400> 691

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<210> 692

<211> 235

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(235)

<223> n = A,T,C or G

<400> 692

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<210> 693

<211> 383

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(383)

<223> n = A,T,C or G

<400> 693

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taatgcaccg	catctacatt	cccattgctct	ctttacttct	tcagcattgc	ctaaaggcat	180

aatacacctt taattaatta attcagcctc ctaatgcaca ttaacaaagc ccttgctaga 240
 ctctgtccat aatggnaaac ctgnatgac cttgatatta acantttaag gaatgtcat 300
 ggattggttn cagacttaaa aaattgaggg ggctgaanaa aatctaangg anaaatcatg 360
 gaagcatttg cacatattac ata 383

<210> 694
 <211> 204
 <212> DNA
 <213> Homo sapien

<400> 694
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<210> 695
 <211> 670
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (670)
 <223> n = A,T,C or G

<400> 695
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<210> 696
 <211> 317
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (317)
 <223> n = A,T,C or G

<400> 696
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 gccactgtc atcgtggata catttcactt ttttcacatg actaaggagc tctccggagt 180

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ctggatctgc	tggtgcc					317

<210> 697
 <211> 246
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(246)
 <223> n = A,T,C or G

<400> 697						
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ctttct						246

<210> 698
 <211> 3674
 <212> DNA
 <213> Homo sapien

<400> 698						
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<210> 699

<211> 2051

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(2051)

<223> n = A,T,C or G

<400> 699

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<210> 700
<211> 2841
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(2841)
<223> n = A,T,C or G
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<210> 701

<211> 3228

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(3228)

<223> n = A,T,C or G

<400> 701

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Tyr Leu Ala Ser Val Ala Ala Phe Pro Val Ala Ala Gly Ala Thr Cys
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Leu Ser His Ser Val Ala Val Val Thr Ala Ser Ala Ala Leu Thr Gly
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Phe Thr Phe Ser Ala Leu Gln Ile Leu Pro Tyr Thr Leu Ala Ser Leu
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Tyr His Arg Glu Lys Gln Val Leu Ile Gly Gln Trp Val Glu Ser Gly
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Ala Ala Gly Ile Thr Tyr Val Pro Pro Leu Leu Leu Glu Val Gly Val
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Glu Glu Lys Phe Met Thr Met Val Leu Gly Glu Ser Leu His Pro Pro
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Ser Phe Leu Phe Gln Ile His Ala Thr Trp His Val Gly Gln Glu Tyr
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Leu Cys Pro Gly Ser Cys Leu Glu Gly Glu Val Val Cys Trp Glu Gly
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Ile Ala Gly Gln Glu Gly Asp Pro Gly Leu Arg Gly His Thr Lys Arg
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Lys Lys Arg Ile Pro Arg Thr Tyr Pro Ser His Leu Trp Ile Pro Gly
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 35 40 45

Ser Asp His Trp Arg Gly Arg Tyr Gly Arg Arg Arg Pro Phe Ile Trp
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Ala Leu Ser Leu Gly Ile Leu Leu Ser Leu Phe Leu Ile Pro Arg Ala
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Gly Trp Leu Ala Gly Leu Leu Cys Pro Asp Pro Arg Pro Leu Glu Leu

00651236-082900

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 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(326)
 <223> n=A,T,C or G

<400> 715
 tactctanag gatctncng tcatntggat tctatntcga ctactctag ggctcnagcn 60
 gtcngccggg caagttattc ggatcgtcgg gntccgagct togcaattaa ntgtgccatc 120
 gttctncaac gttcctgact nggaancccc ngcngttcng atccnnggt acctagctcc 180

006280-9625960

```

anntcccccg tntcctttct ggngtntcat naangaggac cncctctgat cnccttctct 240
taatctgcnc acnctgaacg nccaatggac atngtgcgtt taatntanna ggcccgnctc 300
gngtgccttt cccgtnannt cagctc                                     326

```

```

<210> 716
<211> 122
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(122)
<223> n=A,T,C or G

```

```

<400> 716
nntgcgtcgc ctgngcgtnt actctagatg atctgantag tcatatggat tctaatacga 60
ctcannatag ggctctagcg nggatncnga ttctgctctc ngattcantg acnccggtan 120
ca                                     122

```

```

<210> 717
<211> 203
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(203)
<223> n=A,T,C or G

```

```

<400> 717
cntgcatgcc tgcaggctga ctctagagga tctactagtc atatggatcg agcggcccgcc 60
cgggcagggtg tnaatgataa anatgcatca tactanccta cagaanggag agataatgtt 120
ngntggacca ngttggtttt cttgcgtgtg tgtggcagta gtaagttatt agtttttana 180
atcantaccg ccctccgcac cac                                     203

```

```

<210> 718
<211> 168
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(168)
<223> n=A,T,C or G

```

```

<400> 718
ggcagganga tcncttgagc ccnngaggtc gaggetacag tgagccanga gtgcactact 60
gtnnegccct ccgcatncac gngtgggtccg atccccgggt accganctng anttcaactgg 120
antttttttt aancgtnntg antggtacna ccctcgantc cctggctg          168

```

```

<210> 719
<211> 210
<212> DNA
<213> Homo sapiens

```

09651236-096900


```

<220>
<221> misc_feature
<222> (1)...(210)
<223> n=A,T,C or G

<400> 719
cancgtcgnc ataacacgta ttttntgatn aagattctna ctgacccatn aantctacnt 60
ctcaagctct tncanngtcc agtnaangga atgtgtatnn gtnggggatnc cacanaaaaa 120
aganatntcg gncgcttcat tantcatcct tcttaccan ntctctngat nncagtntg 180
ancntgaacg cacactacng gatntctcca 210

<210> 720
<211> 131
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(131)
<223> n=A,T,C or G

<400> 720
tccatcctaa tacgactcac tatagggctg ccaacctgcc atccactact gaggaagacc 60
cgnanactta ggggctcact gcgagccacc ggccacaggt cgtatagggc aaagcacgng 120
gaagcaccctt t 131

<210> 721
<211> 121
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(121)
<223> n=A,T,C or G

<400> 721
tccatcctaa tacgactcac tatagggccg ntgantnctg gcgaaaggct tacaattaag 60
naggaaaaan ganccaacaa ctaaaaaaaaa nncggncgtg ncagcttnga tgactngtcc 120
a 121

<210> 722
<211> 246
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(246)
<223> n=A,T,C or G

<400> 722
anctggagtc gcgcgctgca gtcacattgt ggatccanaa aatcggcaca agctctcntg 60

```

```

gnttcntcga tatgaanaac actaatccca tgtngtntgn gtctccgtga ttcattccctc 120
gcacnggtcc centccnaac cnttgcatag gtgttatgtt gtantctccc cagtgcacaa 180
agattnacac tctctcantg tctganatat gcacgagttc attgtctgtt cnccgtnaac 240
atcaag                                           246

```

```

<210> 723
<211> 160
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(160)
<223> n=A,T,C or G

```

```

<400> 723
cctccggaaa atccaantag agtaantnct ctctaattcg gggnaattgg nggggtnnat 60
acgtctctct cccccagnt aggattnana aaaggntctc cagancaaaa nctccaaagt 120
gnatcnanta gccgtncctg ananccaacg cccctacgtc 160

```

```

<210> 724
<211> 156
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(156)
<223> n=A,T,C or G

```

```

<400> 724
tnanccnata tacaccaaatt tctgattcta aantcccacc caagggaaaa aagttgagaa 60
gagcctttcc acttttctac taataaaaaa atgcaccagc ccctaccann agtgnggaaa 120
acctccttag gcccttgnnt ggaacaancg aaaatc 156

```

```

<210> 725
<211> 347
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(347)
<223> n=A,T,C or G

```

```

<400> 725
aganggtnt atncatgctg tactcgcgcg cctgcagtcg acactagtgg atccaaagaa 60
ttcggcacga gagacggtgc gcgatggacc gagggcccca gccggngagg cgcgcgcgcc 120
gagcccgagg ncagacgccc catcagtagc gtccgcaccg ggnagccgag gntctcgccc 180
gagccgtggg cgcgcgccgag gggcgggctc gcctcccgcc gtccctcgca gctctgcagg 240
gcccagagccc gcgcgcgtgc cgcgcgcgnc ttgcgcgtcg gncgcgcagg nccggnaaac 300
gcggtcgagg tctggatgng gcanngcccg cncctntcgc tgagcct 347

```

```

<210> 726

```

09651235-082900

<211> 162
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(162)
 <223> n=A,T,C or G

<400> 726
 ttgggtgggt tgggtggggg naaatttncc catttgggtg ggtttggggg ggnaaatact 60
 tcccccttt tnggtnccca aaganacnaa gggggagtc cttnatagag gnagncgat 120
 ncntcncaac nacntngact ttgnccatgg ggagnaaggt gg 162

<210> 727
 <211> 120
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(120)
 <223> n=A,T,C or G

<400> 727
 gtgtgggtgg ggaattccat tgtggttggg ggnaaatctc cgcttgtcca aagnacaggg 60
 ggggtcnctt anagngnagg gggttcctcc ccaccacttg ncttgnccat tngagnaag 120

<210> 728
 <211> 130
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(130)
 <223> n=A,T,C or G

<400> 728
 gaccactgc agcgtnaac ttagcttggg ccgagctcg atccctagtc cgtgtggtgg 60
 aattccatgt gtcgagagag gggcaaatac nctccaanac ancncctca tgctcnacac 120
 atattcgcac 130

<210> 729
 <211> 182
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(182)
 <223> n=A,T,C or G

<400> 729

006280" 962759510

```

cngactgctn gcgttttaaac ttaagcnagg taccgaacgg ggatnnacga ctantgatcg 60
gctggctgct tccagtcgat tanatttgtg aaaaagctga accncngccn gttaaggggg 120
annatgcaaa anatncatcc nncgtgccccn taaactgntc tntccnaggg aaaaaangga 180
ag                                                    182

```

```

<210> 730
<211> 678
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(678)
<223> n=A,T,C or G

```

```

<400> 730
cactcncact ccggacctag gcncttcacc actgctctct tctctctcct cctcctctntc 60
ctcggggctg ggggaccttc cccagtgaac atctcacttt ggctgaancc cactcggggc 120
agcctgagtt tggggctctt ggccttctca cctcctcggg cccctcctt ggcccgaccc 180
aggccaaacc ggggcagccg taccttgagc ttgtgtccgg cctctccctc cccctctgcc 240
acctggtact cggcatgggt gcccccggga tggcgagagc tccacgtcgg gcagtgagaa 300
gcagaaagta cgctcggccc ctgggggctg ctccctcagca cctcgcgcc ccaccctagc 360
tctggcccc agtgtgggca acttcagcct cagcccaacc tcgctgtgg ccgcctcgcc 420
cgctgtgcc tctcggtta gccccacgtc caactcaagc tggggcactg tcacgggtgg 480
catcttaaag acaccctcac ccaccagcag ctcaccacct gcaacctggg ctccaggcaa 540
aaaaagggtc acctggggca nctgaaccct gtacctgctg tgccctctgc tgaanggaat 600
gttatctgaa cctgctgccc tgggggtact gccttcccaa aaccgggtca antccacctg 660
ttggaaggna aatncccc                                                    678

```

```

<210> 731
<211> 135
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(135)
<223> n=A,T,C or G

```

```

<400> 731
gagatccgac gtcacccccct tccggcggcc caagacgctg caactcccga ggngcccaa 60
atatcttttg aagagcgctc ccagcccaac acaatggaat tccaccacac tgggnntagtg 120
gatccgagct aagcc                                                    135

```

```

<210> 732
<211> 660
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(660)
<223> n=A,T,C or G

```

```

<400> 732
gcttggtacc gagctnggat ccctagtaac ggccgccagt gtgctggaat tcggctttct 60
tcaatcagnt nacgagctgc atggtctgct aacattgtca taattgctgg catagattac 120
tgaaaataaa gaaaaaaaaat tgaagctgcc tatcaagttt tgggtattatc aaaaacttcc 180
tacaagttat tttacttcaa ccatgttatt acaaatatatt taatgaatac tttagagact 240
ttaattacaa aaaactgaga tagtaaaagc aagtaataaa agctgaaatt acttagctat 300
ttgataatta cataaattat tatgggtccat tcaacttttc tagtgtttag tttatacacc 360
aggaagactt tcctattcta ctaacattta taaagtatgc taacctatta tttaaacgca 420
tccactatta ggattttatg gcctaaaacg tgatacagtt cagtatcttg atgtcaaaac 480
tttttaagca agtagggatt aagttcaagt gaatgtgatt ttctttcttc ccagtagggg 540
cttctgaata actcagnaaa gctcacttcc attatcttac tttataaaaa aatgctataa 600
gacagaatgg gccgcagtgg nggctccacc tgtatccacc tttggaggcg agnggcgaat 660

```

```

<210> 733
<211> 836
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(836)
<223> n=A,T,C or G

```

```

<400> 733
aattaatgac tttttttccg ccctgccaaag ctagtttgct taaatataat gtaaagaaat 60
tagctactca ttttctggct cacgaagggt cctaaaatgg gaagaagtgg agatctgacc 120
ttgttagttc taaatacact aaactgggag tgccatggat ggctttcagg atgtcctgaa 180
tcctctataa ttgtatacaa aatcgtgagt ttttaaaaac tgggttagag ctattgggtc 240
ctcagagtct caggcatctt agacccccaa aaagggttaa gactactgac ttaaccaatt 300
aggtttgagt ggcattggct ttgaagaaaa gcagaggaaa gatataattt ataattctgg 360
gcaacaaaaa agtggatgtg tgccagcatc ttagagtaga atcctcttaa aaggatagca 420
ctgcatatga actagtaggt tttaaccagt gcatatttag gcgaagtagc tcatttttct 480
gttagaattc ttttttattt gggaatgggc aagcttttac agcttttacc ttgccaatga 540
atacctggaa tttaaaaaat cttgttaggc atattgccca taaagttttt tttcctagat 600
catatattca gtaaataatgt ttgtagcttt atttcaatcc cccaattcat tgaggggtga 660
aacaatttga atgggtttgag tgtagaagct aagttatttc tgtagaggct aagggcattt 720
ataccaanat atgtagtagt tgnngntcct gttaaccatg ctgtanacaa taggaattac 780
tgtatatcca cattttaatt ttaacatctt ctgctttgnt gntgggttga gangga 836

```

```

<210> 734
<211> 694
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(694)
<223> n=A,T,C or G

```

```

<400> 734
nagtnctatt tncactaaac tgnagatgcc ttggatggct ttcaggatgt cctgaatcct 60
ctataattgt atacaaaatc gtgagttttt aaaaactggg ttagagctat tggttcctca 120
gagtctcagg catcttagac ccccaaaaag gttaaggact actgacttaa ccaattagggt 180
ttgagtggca ttggctttga agaaaagcag aggaaagata tattttataa ttctggggcaa 240

```

```

caaaaaagtg gatgtgtgcc agcatcttag agtagaatcc tcttaaaagg atagcactgc 300
atatgaacta gtaggtttta accagtgcac atttaggcga agtagctcat ttttctgtta 360
gaattctttt ttatttgga atgggcaagc ttttacagct tttaccttgc caatgaatac 420
ctggaattta aaaaatcttg ttaggcataat tgcccataaa gttttttttc ctagatcata 480
tattcagtaa atatgtttgt agctttatct caatccccc attcattgag ggttgaaaca 540
atgtgaatgg tttgagtgt gaagctaagt tatttctgt gaggctaagg gcatttatac 600
caagatatgt tagacttgtg gttcctgtta accattgctg tagacaatag gaattactgt 660
atatccacat ttttaatttt aacatcattc tgtc 694

```

```

<210> 735
<211> 126
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (126)
<223> n=A,T,C or G

```

```

<400> 735
ncnttgaaac nggttgacca gacttcaggc ctgtgcgctc aatcgtggag aatctcgtgc 60
cgaattcggc acgagtctct ctctctctct ctctctctct ctctctctct ntctctctct 120
ctctct 126

```

```

<210> 736
<211> 165
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (165)
<223> n=A,T,C or G

```

```

<400> 736
cagaagcctt taaaccgggt ngaccagact tcaggcctgt gcgctcaatc gtggagaatc 60
tcgtgccgaa tcggcacgag gtctctctct ctctctctct ctctctctct ctctctctct 120
ctctctctct ctctctctct ctctctctct ctctctctct ctctc 165

```

```

<210> 737
<211> 125
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (125)
<223> n=A,T,C or G

```

```

<400> 737
ggnagcccct ttaaccggtt gtccagactt caggcctgtg cgctcaatcg tggagaatct 60
cgtgccgaat tcggcacgag tctctctctc tctctctctc tctctctctc tctctntctc 120
tctct 125

```

<210> 738
 <211> 137
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(137)
 <223> n=A,T,C or G

<400> 738
 ggagncnctt gancaggatg accgacttca ggcctgtgcg ctcaatcgtg gagaatctcg 60
 tgccgaattc ggcacgagtc tctctctctc tctctctctc tctctctctc tctctctctc 120
 tctctctctc tctctct 137

<210> 739
 <211> 970
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(970)
 <223> n=A,T,C or G

<400> 739
 aggcctatTT aggtgacact atagaacaag tttgtacaaa aaagcaggct ggtaccggct 60
 cggaattcgc ggccgcgctg acggcccttn gtgccactag ntctttcatt cttccccccc 120
 atcaatcagt gaacttttta gcctactcaa agctttgctc caatgcatag gatttatgat 180
 tgtgggggatt tccagataat ataaatattc aacatgaata ttttaaatta aggcattgaga 240
 cattttttcct aactgagcat agccatgaac ctctcacgctc tgttctctctg tgtcagtttg 300
 tancactgaa tacagcagcc ctctctaaaag tccaggcagt gcacaggctc tgacatgatg 360
 aagtgcagtg ttgctatggg gattttgcag ctggccaaat agtcactggg tgattttacc 420
 cagcaggaga tttttgcaa aatttcctgg gtgagagtga aatcaaactc ctattttgnt 480
 tctcctctgc aagctgnagt taagatggat taatgagtac ttttagatta attactctg 540
 aagagaaaat gggagaaaag tgaggaagggt tgttggcaga agtcattgct ggaatccttc 600
 tgaaggaggat actgacttca cttgcaaaga cnagagacta naagacaatg aagttaaact 660
 tggcctgtct ctcatatgat agatgctgag agtcaggntc agggaaattt aattctgtca 720
 tacgcatatn ggattatgtg gtcattggatt tgttggcact aaccngcctn taatcagnat 780
 aagaaaagtg ttttggtaga naaagaaaat tatggcccag aaaaacctgg aanacttgga 840
 aaaaatgntn gggggccttg ggtgggtggc tnaaaanacc ccctggggat ntttaaacca 900
 aaantgaaga agggaaaaat ntttccccnt nttttntttt tttgccccct tgggattggg 960
 tttnttttcc 970

<210> 740
 <211> 739
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(739)
 <223> n=A,T,C or G

00651236-032900

<400> 740

```

gntgtcnaaa aagcaggctg gtaccgggtcc ggaattcgcg gccgcgtcga cggcccttgg 60
tgccactagt tctttcattc ttccccncca tcaatcagtg aacttttttag cctactcaaa 120
gctttgctcc aatgcatagg atttatgatt gtggggattt ccagataata taaatattca 180
acatgaatat tttaaattaa ggcatgagac atttttccta actgagcata gccatgaacc 240
tctcacgtct gtacctctgt gncagtttgt agcactgaat acagcagccc tcctaaaagt 300
ccaggcagtg cacagggtctt gacatgatga agtgacgtgt tgctatgggtg attttgcagc 360
tggccaaata gtcactgggtt gatttttacc agcaggagat ttttgcaaaa atttcctggg 420
tgagagtga atcaaactcc tattttgttt ctctctgca agctgnagtt aanatggatt 480
aatgagtact tttagattaa ttaactctga agagaaaatg ggagaaaagn gaggaagggt 540
gttggcagaa gtcattgctg gaatccttct gaagggagta ctgacttcac ttgcaaagac 600
aagagactan aagacaatga agttaaactt ggctgtctn tcatatgata gatgcttgag 660
agtacaggnt cagggaat ttaattctgn catacgcata ttggattatg tgggtcatgg 720
ctttgtttgg cncctaacc

```

<210> 741

<211> 1171

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1171)

<223> n=A,T,C or G

<400> 741

```

gccttgnggt gacactatag aacatgtttg tacaaaaaag caggctggta ccgggtccgga 60
attcgcggcc gcgtcgacgg cccttnntgc cactagttct ttcattcttc cccccatca 120
atcagtgaac ttttttagcct actcaaagct ttgctccaat gcataggatt tatgattgtg 180
gggatttcca gataatataa atattcaaca tgaatatttt aaattaaggc atgagacatt 240
tttcctaact gagcatagcc atgaacctct cacgtctgtt cctctgtgtc agtttgtagc 300
actgaatata gcagccctcc taaaagtcca ggcagtgcac aggtcttgac atgatgaagt 360
gacgtgttgc tatggtgatt ttgcagctgg ccaaatagtc actggttgat tttaccagc 420
aggagatttt tgcaaaaatt tcctgggtga gagtgaatc aaactcctat tttgtttctc 480
ctctgcaagc tgtagttaag aagggtattaa tggagtactt ttaagaatt aaattaacct 540
cttgaaagaa gaaaaaatgg gggaagaaaa aaagtgggaag ggaaaagggn ttggttttgg 600
gccnaaaaaa aagttccaan tttnggcntt ggggaaaaat tccccntttt ccttggnaaa 660
aggggggnaa ggttaancct tgggaacctt tttccnncct tttnggceca aaaggggaac 720
ccanggggaa agaaccttta ggnaaaggaa acccattttg gaanggggtt naaaacctnt 780
ngggcccccg ggcctcctc caanaaggga aaaaaaagg cctggaaaan gtaccagggt 840
ttcangggna aaanttaaaa ttcttgcca atancnccat aattgggaat tatggggggg 900
ccatgggctt ttggtttggg cnccttaacc cgcnttttaa attcaaanna aaaaaaagn 960
gtttggaaaa nnaaanaaaa aaaattnaan ggncccnaaa aaaaacctg gaaaacctt 1020
ggaaaaaat tngnngggg gccntttggt tggggggggt tnaaaaaacc ccctnggggg 1080
ttttttaagc ccaaaagggg gggaggggna aaanggtnc cttntttttt ttttngccc 1140
cccttgggga atggnntant tcanggggcc c

```

<210> 742

<211> 739

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(739)
 <223> n=A,T,C or G

<400> 742
 gntgtcnaaa aagcaggctg gtaccggctc ggaattcgcg gccgcgtcga cggcccttgg 60
 tgccactagt tctttcattc ttccccncca tcaatcagtg aacttttttag cctactcaaa 120
 gctttgctcc aatgcatagg atttatgatt gtggggattt ccagataata taaatattca 180
 acatgaatat tttaaattaa ggcattgagac atttttccta actgagcata gccatgaacc 240
 tctcacgtct gttcctctgt gncagtttgt agcactgaat acagcagccc tcctaaaagt 300
 ccaggcagtg cacaggctct gacatgatga agtgacgtgt tgctatgggtg attttgcagc 360
 tggccaaata gtcactgggt gatttttacc agcaggagat ttttgcaaaa atttcctggg 420
 tgagagtga atcaaactcc tattttgttt ctctctgca agctgnagtt aanatggatt 480
 aatgagtact tttagattaa ttaactctga agagaaaatg ggagaaaagn gaggaagggt 540
 gttggcagaa gtcattgctg gaatccttct gaagggagta ctgacttcac ttgcaaagac 600
 aagagactan aagacaatga agttaaactt ggctgtctn tcatatgata gatgcttgag 660
 agtacaggnt cagggaat ttaattctgn catacgcata ttggattatg tgggtcatgg 720
 ctttgtttgg cncctaacc 739

<210> 743
 <211> 610
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(610)
 <223> n=A,T,C or G

<400> 743
 ctgtccttat ttcttttagca aaaatttccc aagagaagaa ttgctgggat aatgcacatt 60
 taaatttttg atagacattc ccaaataata tacctgtttt tgagacctt aattcctgtt 120
 gtcaaattgc cctatatatg gagtaataaa cacgatttaa agaaatgagg actaaaaaaa 180
 gattatatat aacccaacat aaaggcaacc tcttaggcgt tgacagaaac tgacaacttt 240
 ttatctgtgg gtgcgatcca ttataagtaa cctgagcacc ttattttttc tttttaaact 300
 ctaggttaga tacccgaggc ccacaaattt ttcataagaa atattttttc tctgccttat 360
 gagattttta aaaatattat actgcttcaa ttgcatcaaa agaaatggac cctaatatct 420
 atgatgaagg atttggagtt agaagacctg agtttcaatt ttggcatggc tgtttgtcta 480
 gctctngat cttggacagg tcaattgact tggcttaatc ttctcatcca tttagnggag 540
 acagcaccac tattcacagg actattgn cn gaattaccag acaatagcat agngngaaaat 600
 ataangcctt 610

<210> 744
 <211> 127
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(127)
 <223> n=A,T,C or G

<400> 744

```

ttnacctccc tggaccgggc ccccttccc cgggcggntc ccccgggctg caggaattct 60
gcacgagggg gagagagttt gagagagaga gagagagaga gagagagaga gagananaga 120
gagagag                                           127

```

```

<210> 745
<211> 458
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (458)
<223> n=A,T,C or G

```

```

<400> 745
gatatcccg gattcgcggc cgcgtcgacg tggcctctag tttgtcctgg tccaaagcag 60
ggaagctggg ctacgtcctg ccaggtcag ccttaggtta agggctgcct gggggagggg 120
acttcctggg ccttcgggtc tctgtgcaact ggggtggctc ctgtggccca gaatgccctg 180
gagaaggggc ctactggaag cgaaggtgca gggcagcagg gcctgaggcg caggagctgg 240
tggaggtctc cagcacaggt cgcgcgccca gtcacatcac tgctgatggg ggggggactt 300
ggggagtttc ccccgagaat gggaggtctc acagtcctcc tgctgcaatg ctgtcggtgc 360
actgngncng caatgtgctc atggncaact gctttttctc tgtggccccg gccgatttat 420
ccagcanngc accctctctc tncctctccg anaaagcc 458

```

```

<210> 746
<211> 893
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (893)
<223> n=A,T,C or G

```

```

<400> 746
aagcaggctg gtaccgggtc ggaattcgcg gccgcgtcga cgtggggagt tagctctctg 60
gaccccgctc tagagtaagt catcgataga gcatttgctt gatggggact tccagaaggc 120
cannгааagt cctgccgact tcttggggaa gcccatccgc acgtgggggtg aggggtcccca 180
natggaagca gctgtgtatg cagggagggg gcagaggctg ctgccaatgg gcatgtccct 240
tacctgaaag ggccacctct ccaggtgaca tgtcctgggg gagccggggc cgtctgtctc 300
ggccagaggc gctcagctca ggccacacca ggcagggcac ctcccaacct ggacagggtg 360
ggaccaaggt ggccttggac aaaactctct gtgtttgcc aagcaccat cggacacaga 420
gagtcaacca caccacagtc acatggtgtc cacacngcag gggcaagga ggcccgggcc 480
ctccccctca gacgtccctg ggctctggg agtcagcaag gacgaggacg gcattgcct 540
tcgagacagg aaggagtgga cctcctcccg gcggcatcca ggctcngctt ctccggagag 600
gagagggggc tacttgctgg ataaancggc cggggccaca gagaaaaagc aagggtgacca 660
tgagcacctt gcaaacacag tgcacccacc agcatttnag caccngggac tgtgaagacc 720
tcccatttct tcggggggaa acncgcccc ngttcccccc accntcacta gtgnattgtg 780
acctgggggn cgggcccagc cctgtngctt gggnnagccc tccnccagg tttctnnggc 840
ngccenttaa nggncctng nttggccctt tggccnctt tncgcttttc cca 893

```

```

<210> 747
<211> 738
<212> DNA

```

006230 "9425960

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(738)

<223> n=A,T,C or G

<400> 747

```

gatatcccgga gaattcgcgg ccgcgtcnac gaagcacaga cctgngccct gctctcatgg 60
ggcagactgc catttgatcat tnattactga aggaaaggga tcctcagttt gcttgtggac 120
atttcaaat tgagggtgaga gttggataag taagaataaa gctgctcttc aaagagatga 180
atatagaaaa agaaacaaga tacagncttg gcagtaaggc tgggaggaag gggaaaaggt 240
aataaagaat gaaagagtga gaaatgtgag caggagctga acacagaaaa gttcagngac 300
agaagcanaa ggagggaaga agggaggagg gtccctttca cagaggctca cgaggatgct 360
ttatgngtgc catgcagtcc atgttcagga tgtctgcttc ttanctctct acttttctaa 420
tanaaaattg gatacttact gatcctacat atgtaacagg gagagaaggt gaatttcaaa 480
gcantaaatt gaaaaattgt tcacaatttc atttttttaa aaaagggagc taacagaaga 540
agaggttaat gtggttaatta taggatgnct cttgcgacac atgaatgnat ctggtatcat 600
ctgagtggga ggggagctgt cttcctgacc caaaaggatc ctttcgttan ccngnactta 660
ngtcccaaaa cctcaccacc ttggagaaat natttccctt tgggggtntc attaaancct 720
tttggncccc gcaaaaagc                                     738

```

<210> 748

<211> 647

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(647)

<223> n=A,T,C or G

<400> 748

```

ctntgtggcg gtggctgtct catttgggtg gacttttttg gtcgtaggaa cctggatatng 60
aggctcgagag taagacgggc tattagtagt cgcacgagag ttatttgtga aaacctgggt 120
agggcctctg tctccgctgc gctcgcctaa attggtagtg ctgcacttgg aaacacgggt 180
ctaacacgcg ttgttagcgc ctttgctagc atgtgaagga cactggccct accaagaaag 240
attcgagtcg ctccctcccg tatcgttcac ggaggcgata ttactcttc ttactacggt 300
tacttcgaga ttgtctgtga agtttaagac tactaaaaag agtattaagc ctatcgggaa 360
ttagctagat cgacacgcta aaaccaaggg caatcggcgg aaatatagag gcaccaataa 420
tagggcctac agaaggcccg agggtagtag tcacgtttta taccggccac gggagaaata 480
aaaagataaa gtatacatcg tttagcggtc ctcggaagcc ttcggttta atgccaagga 540
gtcggaagca tcgtcggcga gtaataaact ccatcgcgcc gagactatct acgacgccct 600
ccttaanatc cgtaaattac tcccggaaag agtatntagc cggctctc 647

```

<210> 749

<211> 642

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(642)

<223> n=A,T,C or G

00651236 "082900

```

<400> 749
ctntgtggcg gtggntgtct catttgggtg gacttttttg gtcgtaggaa cctgggtatgc 60
aggtccgcgg agcgtgggct ctcgtcgtgg atgttggggg ttggtgtggt gccggttgtt 120
tttggttctg ttgagcgtag tgtgtttgaa ggtagcgtt cgtgtcttgc ttgtggtttg 180
gtgttttaggg cgggtgggga ggttgtttgt tagctgttgt atgtcatatt gttggtgttg 240
ctgccctgtg ctgtttgtcc ttggttattg tggttgttac cccgcctgtg tggaagtgtt 300
gtggcagggc gggaaatttaa gtgggagagt tgtgggacct gtggttgttg ttacgttgct 360
gcttttgtcg tgggcggtgg cggcgcgctc gataattaga attggatacg gagtgtataa 420
tacttctagt aaatggggac ctagtgcctg acttcccga atagggatct atgcgaagtc 480
cttaggatag tctttgataa gtttaacgcc cagcacccta aaattataca cgattagacg 540
cataacgact cctccaggaa agataaagaa tctcacatat agaacgggac cccatacacg 600
tcgatagga aacaagagaa ctaattttng ttaaaaagac tt 642

```

```

<210> 750
<211> 639
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(639)
<223> n=A,T,C or G

```

```

<400> 750
tttgtggcgg tgggtgtctca tttgggtgga tttttgggtc gtaggtaacc tggatatngag 60
gtatagatgc cgattggtcc cgacgagcgt cagcataaat tcggtagttt cgcccttttt 120
agaaggcgct agtactcgga acttcacttc atctcggtag ttacttttgg cgtatatagc 180
cttctccctc gaagactagc cgtcacattc gttccctagg aatcgtttct gccctaaga 240
atccgagagc gagatcccga aactagagga accttagaag agtcgtatth ccacaaggac 300
cccacagtca ttccgggaaa atccctagga ccatacgggtt aggattcccc cggaaccggg 360
agcaaagctc atgattttccc acaccgcgag agcgccctata accctatccc atttcttcgg 420
gttatcgagg atattacgat caagccgaga gaaccgctag aaccgctttc ttgcgtttct 480
cacggaacct ataagtagaa agagaaaactc aggtcttaag ggggcgcttc ggctaacgaa 540
acttctactt acgaagagag tatctagaca ttaagtcata aaaatccact acgcacctcg 600
tgtacgatat catcgggagc ggttcataga cggtgtccg 639

```

```

<210> 751
<211> 637
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(637)
<223> n=A,T,C or G

```

```

<400> 751
cttttgtggc gnggtgtctc catttgggtg gattttttgg tcgtaggnaa cctgggtatng 60
aggcagctct gagccccccc cccccccccc cccccnccc ccccccccta gngggttggg 120
aanacggtgg atacctaaat cgagtgngtt cattaaaagt agttgattac nccctaaaat 180
aanaanaggg cttcgtcggg anaaatcggt aagganaagt ctttntggca tcataanaat 240
actggctcgg gtcctaanat ntttaaggng gtcnccgagg gtnttcatac cgataanaaa 300
cgttttccta tcggcaacgg gcttacctga gggnggactt ctncggngc ggngattnan 360

```

```
<210> 752
<211> 644
<212> DNA
<213> Homo sapiens
```

<400> 752						
tntgtggcgg	tgggtgctcat	ttgggtggat	ttttgggtcg	taggaacctg	gtatgaggtc	60
ttgcgagttg	ttgggtgtgtc	ctgtcgttcg	gtggttcctt	tttgagttga	gtttgtcctt	120
tgaggttggt	agctgctggt	cgtttgtgtt	cgtgtagtgc	tttgggttga	gaggggttatg	180
gtggtgggta	cgggtgattg	tgcgccgtgg	tgcgggggtt	ggggtggtcg	tcggttttgt	240
ggttcatagt	agtcttctgc	gttcggtggt	gcgggtttgg	gtgagtagtt	tcggttcttgg	300
atgtcccat	gaccgcctat	aatctaagta	agggtagtag	gaaacctctc	cccgatagac	360
acaaccgtcg	tccactaaag	acctgcctc	tgatttttaa	aaggaccgca	aaaacatccc	420
ttcaaccgaa	aaaacggaaa	aaaagtcagc	gaattcaagg	aagccacggg	agagaaaaaa	480
gaactaaagt	tagtcggtca	ttatatgtct	cctcggagga	ggaagcggcg	gtggcggaaa	540
atgagrcggg	aagaaagacg	acctctatcg	gcggcttang	ccctaaaagg	gcgatacctt	600
acgggatgat	aaggacccta	ggacgcctcc	ttctcggatc	gtcc		644

```
<220>
<221> misc_feature
<222> (1)...(635)
<223> n=A,T,C or G
```

```
<210> 754
<211> 721
```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(721)
<223> n=A,T,C or G

<400> 754
accggattng ttnotgagcg cgtgactgct aataaaaaag atggantgcc atcttttttt 60
ttnccttgct ttatatatcc agcagcaaaa caaaattggt ctgcngggct ataaaatttg 120
gcttgtagt cntgtacaca actcaggagt gtgacacagc taccagcttt cctcctaact 180
ctcaagggaa gaaaattcaa gttctgtcta ggctcactct gtaaagtggg aaacttgctg 240
gttttgtagg ctttttttcc ccttctttcc ctctctcagc ttctccctgc ttctcagaan 300
atggagttgt gatgcctgca acttaccaaa tttatctatg aatcagattc cagtgggaga 360
cccctaaagc agagggagaa taaggagtgc tccccatgat ggaaaatata caaagacaag 420
gtttcatgga gcaaagaatt ctggctagat ttggtttgta agtggatccc tccccactgc 480
gtgtacactt tatctgtctc tttgcttctt cccacccctc tttcccagct ctctctctgt 540
ctctctcttg ntcccctgac ccttttttct tcccantgca tacttttttn tttccctttt 600
ttaatcttct atantcttaa nccataccaan gggccctcnt gannaatttn tcaccctga 660
ataggggatt cnttangccc tgagaatttc nttatcanaa aaatattttt ttaaagcatt 720
a 721

<210> 755
<211> 721
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(721)
<223> n=A,T,C or G

<400> 755
accggattng ttnotgagcg cgtgactgct aataaaaaag atggantgcc atcttttttt 60
ttnccttgct ttatatatcc agcagcaaaa caaaattggt ctgcngggct ataaaatttg 120
gcttgtagt cntgtacaca actcaggagt gtgacacagc taccagcttt cctcctaact 180
ctcaagggaa gaaaattcaa gttctgtcta ggctcactct gtaaagtggg aaacttgctg 240
gttttgtagg ctttttttcc ccttctttcc ctctctcagc ttctccctgc ttctcagaan 300
atggagttgt gatgcctgca acttaccaaa tttatctatg aatcagattc cagtgggaga 360
cccctaaagc agagggagaa taaggagtgc tccccatgat ggaaaatata caaagacaag 420
gtttcatgga gcaaagaatt ctggctagat ttggtttgta agtggatccc tccccactgc 480
gtgtacactt tatctgtctc tttgcttctt cccacccctc tttcccagct ctctctctgt 540
ctctctcttg ntcccctgac ccttttttct tcccantgca tacttttttn tttccctttt 600
ttaatcttct atantcttaa nccataccaan gggccctcnt gannaatttn tcaccctga 660
ataggggatt cnttangccc tgagaatttc nttatcanaa aaatattttt ttaaagcatt 720
a 721

<210> 756
<211> 873
<212> DNA
<213> Homo sapiens

<220>

```
<220>  
<221> misc feature
```

<222> (1) ... (647)

<223> n=A,T,C or G

<400> 758

```

ntttgtggcg gtggtgtctc atttgggtgg actttttggg tcgtaggaac ctggtatnga 60
gggaagagcg ccgtcgggtcc gagtacagta tggagtagta tagtcttcgc gccttctcgg 120
gcggcggggc tattctctcc aaaggcagag gtccctagtc gacctcgctc ccctagggtta 180
ggaacagccg tcgaatattt taggttcgtc gaggttttct tccgagctct acgcctaagt 240
agctccgcga gcaaagtatc ggtcattttc ccctatccat cactccccta agtacgcctc 300
attattccgg aaggcaagag gccagcattc ctcccttagag tagagggtag gtacctccgt 360
cgcgtgccgc gaaagggcag agcttcgtgt ctccctccg cagcagctta acggtctacg 420
taggcgttct cgatcttttc acgggaatcg gggtcgggga gggcggcgga aaacgtcgac 480
gtctcgggtc ccgtcacccg cccgaacaac tagcggcttt ccgctttcaa ctgaggaacc 540
ccgcacccct cattagcgtt tacgaaatcg gggangtgat tgcgccaatt cgttagcctt 600
cgataattat tctctattag cggtcctatc tcgcgctttc gatttat 647

```

<210> 759

<211> 657

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (657)

<223> n=A,T,C or G

<400> 759

```

ctttgtggcg gtggtgtctc atttgggtgg actttttggg tcgtaggaac ctggtatnga 60
gggctctata gaaagcctct tgtctttaga tacgggcttt ctggtccttc gttctggaag 120
tgtagtagta ggtactgcgg gaaggcgaag agtcctttca aggacgattt acttaagttg 180
gcttattcta tagttccttc gggacataag gtccgtaaga tctatactgc gtgggaagct 240
gatagggttg gacttaaggc gaataagaag gaggcggcgg aggtcgcgat taccgcagag 300
atattattta cggcgccgcg gggtaaccgc ggtcatgcgg aaattttctg aggttcttgg 360
attcctaaga tcgtctccgt cgagtatact agcgacgaac gtaagagtgc cctcacaaga 420
accggtacaa actcaagaag aagttcccat taagcatcgt aagaaacggg aggacgagga 480
cggtagaag taatcggaga aaggatccta gtngttacga agaagcatcg ttnagctact 540
ttgcgctacc gtttatattt agacgtgttc cgtccttctc cgtgtttana aaaaagggtt 600
attccgacgg gagacttagg cgaatggagg gttccgcggg tganaatcgg ancgggg 657

```

<210> 760

<211> 644

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (644)

<223> n=A,T,C or G

<400> 760

```

ctttgtggcg gtggtgtctc atttgggtgg actttttggg tcgtaggaac ctggtatgna 60
ggaaaagaag taagcctcga agcctatctc cgaccgtatt tatttcgcag aagacggaac 120
tacggacgtc gttaaccccg agtagccccc gtaagaaagg actaaagcga atggaaaagt 180
cgggaattcc ggcggagggg cggcgattac tgaaaggagt aagagtaaga ctattgcgat 240

```

00651236.032900


```

acttgaggcg ttccctctta aaaggcaccg gaaacactct attaaaaaac acccgaagaa 300
gaacaactca tgcgatcggc cgtgtgcagc cgtcaatagt aaagagagcc atgaaccatg 360
ccatccttag accaattagg atgaagaaga ggaggaagat gaggaccaa ccctacccac 420
tcggaaaacc ccgcacgagc ctccgaacaa aatccgggaa ttaaacggc ggcccacttc 480
cgcaactctg tagcgcgagc cgaatagaaa accggaaact acagctaaag ggtcctttcc 540
ggcctgttat ctaccacccc gcaatccgat cctccccccc cctcgtccaa aaaccctaac 600
ctctgcggca acattagagc agaaggagag ggcgatccct tgan 644

```

```

<210> 761
<211> 647
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(647)
<223> n=A,T,C or G

```

```

<400> 761
ctttgtggcg gtggtgtctc atttgggtgg actttttggg tcgtaggaac ctggtatnga 60
ggcgggtact ctctgggata atcgggtataa gtgttgtaaa attgggggta agagaaagt 120
tcattataag aagtgggaagc acgagccggg gtgttttagtc gttaatatta agaccggttt 180
ttgttgtagt tatatagctt gcgcgtgggg aggcaataag aaacattgctg ttctgaggcc 240
ggatgcgggg aaccctcttc ggggtctaga gcgccgcctc tgcaaaataa ggactactga 300
cgccgctcat aacgtactca acaatgagtc ggcctgcatt aagatttcgg cgaagaaccg 360
tactgcgtct actgatagta tattgcattg atagcggcat gagctttatc acgtgtcgtt 420
ttcgggttgt aagaaggagg ttaagtcgat ctctgaggaa gaagagaccc caaataaaaa 480
atgactcaaa aaaacctaga agaaacacga cgaaaggaaa aagaacgtta aaactagtag 540
ctcttcggan gagtagcctt agtagggtaa gtctccgtg cgtactgtcc taaggtttgg 600
atagcgcggt tgaatagacg gtcacgcgtc agaaggtaaa aanccgg 647

```

```

<210> 762
<211> 628
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(628)
<223> n=A,T,C or G

```

```

<400> 762
cattgtgttg gggtcactga gcccactttt ttccagattt tttgtaaaat tgtttcgcac 60
tgtgttccct ttattcgctt gtattaatat ttgcgtagtg gattaaacaa atacttggtg 120
ttgactgtca gtcttagagg actgactaga agtagttttc atttggggct caggaaatac 180
ctactttata tttctagcta attaggaaag tcattttttca gttagggttg tgttttggtt 240
caggcactcg ctagctagat gacctaacat gctacttaat ttctgagtggt ttgtgtccat 300
ccctgtagga ttgttgcggt gttaaataaa attgtgtata tttgtaaagc atttacctca 360
gtgcccagac tgtgacagag tagattatta ggcttgctct tttttctgtg attaaattta 420
gtgtcagatt agcaacctat agctacttct aaagctgctg ctgctttctt tgtttagggt 480
taggaagaaa catgctggac agtttgccaa atgagagtta catgatgtgg cttgtgggaa 540
cattctaact tggaacttgc ccatttccag gactttgngg ttcanagatt tttggggata 600
gatgtaagggt ttaaaaaaaa cngaaaac 628

```

<210> 763
 <211> 147
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (147)
 <223> n=A,T,C or G

<400> 763
 cattgtgttg gggcagagat aaataattcc tctgaaaagt gttttattgg aatttcaaat 60
 gaaaagctaa ctggataact tacagcatgt ttctgccaat aatctcttan aacaggcctc 120
 ttttttttat gcacaccacc ttcnnggc 147

<210> 764
 <211> 146
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (146)
 <223> n=A,T,C or G

<400> 764
 cattgtgttg ggtatgtttt ttgaaggcag gtggacagga tttgctgatg ggtaaattggc 60
 agagttaggg ggactgttag aacagagaaa ganatcatgg ggttggggtt gagtctgatg 120
 nnnaactggg gccgnntgct cagtat 146

<210> 765
 <211> 129
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (129)
 <223> n=A,T,C or G

<400> 765
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 <212> DNA
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<220>
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 <222> (1) ... (175)
 <223> n=A,T,C or G

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<400> 766
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<210> 767
<211> 602
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(602)
<223> n=A,T,C or G

<400> 767
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<210> 768
<211> 671
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(671)
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canaaaatng n 671

<210> 769

<211> 877
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(877)
 <223> n=A,T,C or G

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<210> 770
 <211> 874
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(874)
 <223> n=A,T,C or G

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<210> 771

<211> 156
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(156)
 <223> n=A,T,C or G

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<210> 772
 <211> 586
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(586)
 <223> n=A,T,C or G

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<210> 773
 <211> 2983
 <212> DNA
 <213> Homo sapiens

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<210> 774

<211> 3064

<212> DNA

<213> Homo sapiens

<400> 774

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<211> 684

<212> PRT

<213> Homo sapiens

<400> 775

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15

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 Gly Pro Asn Pro Ser Ile Ala Lys His Thr Leu Val Val Leu Asp Pro
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 Arg Thr Pro Ser Asp His Tyr Asn Trp Gln Ala Thr Leu Gln Asn Glu
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 Ser Gly Lys Glu Val Thr Val Ala Val Thr Ser Ser Pro Asn Ala Ile
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 Leu Gly Lys Tyr Gln Leu Asn Val Lys Thr Gly Asn His Ile Leu Lys
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 Val Thr Gly Phe Asp Ser Ala His Asp Thr Glu Arg Asn Leu Thr Val
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Asp Thr Tyr Val Asn Glu Asn Gly Lys Lys Ile Thr Ser Met Thr His
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 Ile Gly Lys Asn Ile Ser Thr Lys Ala Val Gly Gln Asp Arg Arg Arg
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 65 70 75 80
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 85 90 95
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Val	Asn	Phe	Ile	Gln	Ala	Asn	Phe	Lys	Lys	Arg	Glu	Cys	Val	Phe	Phe	
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Thr	Lys	Asp	Ser	Lys	Ala	Thr	Glu	Asn	Val	Cys	Lys	Cys	Gly	Tyr	Ala	
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Gln	Ser	Gln	His	Met	Glu	Gly	Thr	Gln	Ile	Asn	Gln	Ser	Glu	Lys	Trp	
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Asn	Tyr	Lys	Lys	His	Thr	Lys	Glu	Phe	Pro	Thr	Asp	Ala	Phe	Gly	Asp	
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Ile	Gln	Phe	Glu	Thr	Leu	Gly	Lys	Lys	Gly	Lys	Tyr	Ile	Arg	Leu	Ser	
			100				105				110					
Cys	Asp	Thr	Asp	Ala	Glu	Ile	Leu	Tyr	Glu	Leu	Leu	Thr	Gln	His	Trp	
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His	Leu	Lys	Thr	Pro	Asn	Leu	Val	Ile	Ser	Val	Thr	Gly	Gly	Ala	Lys	
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Asn	Phe	Ala	Leu	Lys	Pro	Arg	Met	Arg	Lys	Ile	Phe	Ser	Arg	Leu	Ile	
		145			150			155								
Tyr	Ile	Ala	Gln	Ser	Lys	Gly	Ala	Trp	Ile	Leu	Thr	Gly	Gly	Thr	His	
			165				170				175					
Tyr	Gly	Leu	Met	Lys	Tyr	Ile	Gly	Glu	Val	Val	Arg	Asp	Asn	Thr	Ile	
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Ser	Arg	Ser	Ser	Glu	Glu	Asn	Ile	Val	Ala	Ile	Gly	Ile	Ala	Ala	Trp	
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Gly	Met	Val	Ser	Asn	Arg	Asp	Thr	Leu	Ile	Arg	Asn	Cys	Asp	Ala	Glu	
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Gly	Tyr	Phe	Leu	Ala	Gln	Tyr	Leu	Met	Asp	Asp	Phe	Thr	Arg	Asp	Pro	

225 230 235 240
 Leu Tyr Ile Leu Asp Asn Asn His Thr His Leu Leu Leu Val Asp Asn
 245 250 255
 Gly Cys His Gly His Pro Thr Val Glu Ala Lys Leu Arg Asn Gln Leu
 260 265 270
 Glu Lys Tyr Ile Ser Glu Arg Thr Ile Gln Asp Ser Asn Tyr Gly Gly
 275 280 285
 Lys Ile Pro Ile Val Cys Phe Ala Gln Gly Gly Gly Lys Glu Thr Leu
 290 295 300
 Lys Ala Ile Asn Thr Ser Ile Lys Asn Lys Ile Pro Cys Val Val Val
 305 310 315 320
 Glu Gly Ser Gly Gln Ile Ala Asp Val Ile Ala Ser Leu Val Glu Val
 325 330 335
 Glu Asp Ala Leu Thr Ser Ser Ala Val Lys Glu Lys Leu Val Arg Phe
 340 345 350
 Leu Pro Arg Thr Val Ser Arg Leu Pro Glu Glu Glu Thr Glu Ser Trp
 355 360 365
 Ile Lys Trp Leu Lys Glu Ile Leu Glu Cys Ser His Leu Leu Thr Val
 370 375 380
 Ile Lys Met Glu Glu Ala Gly Asp Glu Ile Val Ser Asn Ala Ile Ser
 385 390 395 400
 Tyr Ala Leu Tyr Lys Ala Phe Ser Thr Ser Glu Gln Asp Lys Asp Asn
 405 410 415
 Trp Asn Gly Gln Leu Lys Leu Leu Leu Glu Trp Asn Gln Leu Asp Leu
 420 425 430
 Ala Asn Asp Glu Ile Phe Thr Asn Asp Arg Arg Trp Glu Ser Ala Asp
 435 440 445
 Leu Gln Glu Val Met Phe Thr Ala Leu Ile Lys Asp Arg Pro Lys Phe
 450 455 460
 Val Arg Leu Phe Leu Glu Asn Gly Leu Asn Leu Arg Lys Phe Leu Thr
 465 470 475 480
 His Asp Val Leu Thr Glu Leu Phe Ser Asn His Phe Ser Thr Leu Val
 485 490 495
 Tyr Arg Asn Leu Gln Ile Ala Lys Asn Ser Tyr Asn Asp Ala Leu Leu
 500 505 510
 Thr Phe Val Trp Lys Leu Val Ala Asn Phe Arg Arg Gly Phe Arg Lys

006230-962960

515		520		525
Glu Asp Arg Asn Gly Arg Asp	Glu Met Asp Ile	Glu Leu His Asp Val		
530	535	540		
Ser Pro Ile Thr Arg His Pro	Leu Gln Ala Leu Phe Ile Trp Ala Ile			
545	550	555		560
Leu Gln Asn Lys Lys Glu Leu Ser	Lys Val Ile Trp Glu Gln Thr Arg			
	565	570		575
Gly Cys Thr Leu Ala Ala Leu Gly	Ala Ser Lys Leu Leu Lys Thr Leu			
	580	585		590
Ala Lys Val Lys Asn Asp Ile	Asn Ala Ala Gly Glu Ser Glu Glu Leu			
	595	600		605
Ala Asn Glu Tyr Glu Thr Arg	Ala Val Glu Leu Phe Thr Glu Cys Tyr			
	610	615		620
Ser Ser Asp Glu Asp Leu Ala	Glu Gln Leu Leu Val Tyr Ser Cys Glu			
	625	630		635
Ala Trp Gly Gly Ser Asn Cys	Leu Glu Leu Ala Val Glu Ala Thr Asp			
	645	650		655
Gln His Phe Ile Ala Gln Pro	Gly Val Gln Asn Phe Leu Ser Lys Gln			
	660	665		670
Trp Tyr Gly Glu Ile Ser Arg	Asp Thr Lys Asn Trp Lys Ile Ile Leu			
	675	680		685
Cys Leu Phe Ile Ile Pro Leu	Val Gly Cys Gly Phe Val Ser Phe Arg			
	690	695		700
Lys Lys Pro Val Asp Lys His	Lys Lys Leu Leu Trp Tyr Tyr Val Ala			
	705	710		715
Phe Phe Thr Ser Pro Phe Val	Val Phe Ser Trp Asn Val Val Phe Tyr			
	725	730		735
Ile Ala Phe Leu Leu Leu Phe	Ala Tyr Val Leu Leu Met Asp Phe His			
	740	745		750
Ser Val Pro His Pro Pro Glu	Leu Val Leu Tyr Ser Leu Val Phe Val			
	755	760		765
Leu Phe Cys Asp Glu Val Arg	Gln Trp Tyr Val Asn Gly Val Asn Tyr			
	770	775		780
Phe Thr Asp Leu Trp Asn Val	Met Asp Thr Leu Gly Leu Phe Tyr Phe			
	785	790		795
Ile Ala Gly Ile Val Phe Arg	Leu His Ser Ser Asn Lys Ser Ser Leu			

00551236-082900

805										810					815				
Tyr	Ser	Gly	Arg	Val	Ile	Phe	Cys	Leu	Asp	Tyr	Ile	Ile	Phe	Thr	Leu				
			820					825					830						
Arg	Leu	Ile	His	Ile	Phe	Thr	Val	Ser	Arg	Asn	Leu	Gly	Pro	Lys	Ile				
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Ile	Met	Leu	Gln	Arg	Met	Leu	Ile	Asp	Val	Phe	Phe	Phe	Leu	Phe	Leu				
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Phe	Ala	Xaa	Trp	Met	Val	Ala	Phe	Gly	Val	Ala	Arg	Gln	Gly	Ile	Leu				
865					870				875						880				
Arg	Gln	Asn	Glu	Gln	Arg	Trp	Arg	Trp	Ile	Phe	Arg	Ser	Val	Ile	Tyr				
				885					890					895					
Glu	Pro	Tyr	Leu	Ala	Met	Phe	Gly	Gln	Val	Pro	Ser	Asp	Val	Asp	Gly				
			900					905					910						
Thr	Thr	Tyr	Asp	Phe	Ala	His	Cys	Thr	Phe	Thr	Gly	Asn	Glu	Ser	Lys				
		915					920					925							
Pro	Leu	Cys	Val	Glu	Leu	Asp	Glu	His	Asn	Leu	Pro	Arg	Phe	Pro	Glu				
	930					935					940								
Trp	Ile	Thr	Ile	Pro	Leu	Val	Cys	Ile	Tyr	Met	Leu	Ser	Thr	Asn	Ile				
945					950				955						960				
Leu	Leu	Val	Asn	Leu	Leu	Val	Ala	Met	Phe	Gly	Tyr	Thr	Val	Gly	Thr				
				965				970						975					
Val	Gln	Glu	Asn	Asn	Asp	Gln	Val	Trp	Lys	Phe	Gln	Arg	Tyr	Phe	Leu				
			980					985					990						
Val	Gln	Glu	Tyr	Cys	Ser	Arg	Leu	Asn	Ile	Pro	Phe	Pro	Phe	Ile	Val				
		995					1000					1005							
Phe	Ala	Tyr	Phe	Tyr	Met	Val	Val	Lys	Lys	Cys	Phe	Lys	Cys	Cys	Cys				
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Lys	Glu	Lys	Asn	Met	Glu	Ser	Ser	Val	Cys	Cys	Phe	Lys	Asn	Glu	Asp				
1025				1030					1035					1040					
Asn	Glu	Thr	Leu	Ala	Trp	Glu	Gly	Val	Met	Lys	Glu	Asn	Tyr	Leu	Val				
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Lys	Ile	Asn	Thr	Lys	Ala	Asn	Asp	Thr	Ser	Glu	Glu	Met	Arg	His	Arg				
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Phe	Arg	Gln	Leu	Asp	Thr	Lys	Leu	Asn	Asp	Leu	Lys	Gly	Leu	Leu	Lys				
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00651236-082900

1090

1095

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<212> PRT

<213> Homo sapiens

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<211> 45

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00651236-032900

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<210> 789
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 <212> DNA
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<210> 797
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00651236-032900

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<212> PRT

<213> Homo sapiens

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Gly Leu His Ser Leu Glu Ala Asp Gln Glu Pro Gly Ser Gln Met
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<210> 802

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<213> Homo sapiens

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Tyr Thr Ile Gly Leu Gly Leu His Ser Leu Glu Ala Asp Gln Glu
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<210> 803

<211> 14

<212> PRT

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<211> 15

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006280-9275960

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 5 10 15

<210> 807
 <211> 15
 <212> PRT
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 5 10 15

<210> 808
 <211> 15
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 Ala Leu Val Met Glu Asn Glu Leu Phe Cys Ser Gly Val Leu Val
 5 10 15

<210> 809
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 <212> PRT
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Ser

<210> 810
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 <213> Homo sapiens

<400> 810
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006280-9275960

5

10

15

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<210> 812
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<210> 816
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 aagaaacgag aatgtgtctt ctttaccaaa gattccaagg ccacggagaa tgtgtgcaag 180
 tgtggctatg ccagagacca gcacatggaa ggcaccaga tcaaccaaag tgagaaatgg 240
 aactacaaga aacacaccaa ggaatttctt accgacgcct ttgggggatat tcagtttgag 300
 aactgggga agaaagggaa gtatatacgt ctgtcctgcg acacggacgc ggaaatcctt 360
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 tacatcgcg agtccaaagg tgcttggatt ctacggggag gcacccatta tggcctgatg 540
 aagtacatcg gggaggtggt gagagataac accatcagca ggagttcaga ggagaatatt 600
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 catcccactg tcgaagcaaa gctccggaat cagctagaga agtatatctc tgagcgcact 840
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<212> PRT

<213> Homo sapiens

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Val Asn Phe Ile Gln Ala Asn Phe Lys Lys Arg Glu Cys Val Phe Phe
      35                      40                      45

Thr Lys Asp Ser Lys Ala Thr Glu Asn Val Cys Lys Cys Gly Tyr Ala
      50                      55                      60

Gln Ser Gln His Met Glu Gly Thr Gln Ile Asn Gln Ser Glu Lys Trp
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Asn Tyr Lys Lys His Thr Lys Glu Phe Pro Thr Asp Ala Phe Gly Asp
      85                      90                      95

Ile Gln Phe Glu Thr Leu Gly Lys Lys Gly Lys Tyr Ile Arg Leu Ser
      100                      105                      110

Cys Asp Thr Asp Ala Glu Ile Leu Tyr Glu Leu Leu Thr Gln His Trp
      115                      120                      125

His Leu Lys Thr Pro Asn Leu Val Ile Ser Val Thr Gly Gly Ala Lys
      130                      135                      140

Asn Phe Ala Leu Lys Pro Arg Met Arg Lys Ile Phe Ser Arg Leu Ile
      145                      150                      155                      160

Tyr Ile Ala Gln Ser Lys Gly Ala Trp Ile Leu Thr Gly Gly Thr His
      165                      170                      175

Tyr Gly Leu Met Lys Tyr Ile Gly Glu Val Val Arg Asp Asn Thr Ile
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Ser Arg Ser Ser Glu Glu Asn Ile Val Ala Ile Gly Ile Ala Ala Trp
      195                      200                      205

Gly Met Val Ser Asn Arg Asp Thr Leu Ile Arg Asn Cys Asp Ala Glu
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Gly Tyr Phe Leu Ala Gln Tyr Leu Met Asp Asp Phe Thr Arg Asp Pro
      225                      230                      235                      240

Leu Tyr Ile Leu Asp Asn Asn His Thr His Leu Leu Leu Val Asp Asn
      245                      250                      255

Gly Cys His Gly His Pro Thr Val Glu Ala Lys Leu Arg Asn Gln Leu
      260                      265                      270

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00651236-082900

Glu Lys Tyr Ile Ser Glu Arg Thr Ile Gln Asp Ser Asn Tyr Gly Gly
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 Lys Ile Pro Ile Val Cys Phe Ala Gln Gly Gly Gly Lys Glu Thr Leu
 290 295 300
 Lys Ala Ile Asn Thr Ser Ile Lys Asn Lys Ile Pro Cys Val Val Val
 305 310 315 320
 Glu Gly Ser Gly Gln Ile Ala Asp Val Ile Ala Ser Leu Val Glu Val
 325 330 335
 Glu Asp Ala Leu Thr Ser Ser Ala Val Lys Glu Lys Leu Val Arg Phe
 340 345 350
 Leu Pro Arg Thr Val Ser Arg Leu Pro Glu Glu Glu Thr Glu Ser Trp
 355 360 365
 Ile Lys Trp Leu Lys Glu Ile Leu Glu Cys Ser His Leu Leu Thr Val
 370 375 380
 Ile Lys Met Glu Glu Ala Gly Asp Glu Ile Val Ser Asn Ala Ile Ser
 385 390 395 400
 Tyr Ala Leu Tyr Lys Ala Phe Ser Thr Ser Glu Gln Asp Lys Asp Asn
 405 410 415
 Trp Asn Gly Gln Leu Lys Leu Leu Leu Glu Trp Asn Gln Leu Asp Leu
 420 425 430
 Ala Asn Asp Glu Ile Phe Thr Asn Asp Arg Arg Trp Glu Ser Ala Asp
 435 440 445
 Leu Gln Glu Val Met Phe Thr Ala Leu Ile Lys Asp Arg Pro Lys Phe
 450 455 460
 Val Arg Leu Phe Leu Glu Asn Gly Leu Asn Leu Arg Lys Phe Leu Thr
 465 470 475 480
 His Asp Val Leu Thr Glu Leu Phe Ser Asn His Phe Ser Thr Leu Val
 485 490 495
 Tyr Arg Asn Leu Gln Ile Ala Lys Asn Ser Tyr Asn Asp Ala Leu Leu
 500 505 510
 Thr Phe Val Trp Lys Leu Val Ala Asn Phe Arg Arg Gly Phe Arg Lys
 515 520 525
 Glu Asp Arg Asn Gly Arg Asp Glu Met Asp Ile Glu Leu His Asp Val
 530 535 540
 Ser Pro Ile Thr Arg His Pro Leu Gln Ala Leu Phe Ile Trp Ala Ile
 545 550 555 560

00651236-032900

Leu Gln Asn Lys Lys Glu Leu Ser Lys Val Ile Trp Glu Gln Thr Arg
 565 570 575
 Gly Cys Thr Leu Ala Ala Leu Gly Ala Ser Lys Leu Leu Lys Thr Leu
 580 585 590
 Ala Lys Val Lys Asn Asp Ile Asn Ala Ala Gly Glu Ser Glu Glu Leu
 595 600 605
 Ala Asn Glu Tyr Glu Thr Arg Ala Val Glu Leu Phe Thr Glu Cys Tyr
 610 615 620
 Ser Ser Asp Glu Asp Leu Ala Glu Gln Leu Leu Val Tyr Ser Cys Glu
 625 630 635 640
 Ala Trp Gly Gly Leu Glu His His His His His His
 645 650

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 <211> 132
 <212> PRT
 <213> Homo sapien

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 Gly Gly Gly Ser Pro Thr Val His Ile Gly Pro Thr Ala Phe Leu Gly
 35 40 45
 Leu Gly Val Val Asp Asn Asn Gly Asn Gly Ala Arg Val Gln Arg Val
 50 55 60
 Val Gly Ser Ala Pro Ala Ala Ser Leu Gly Ile Ser Thr Gly Asp Val
 65 70 75 80
 Ile Thr Ala Val Asp Gly Ala Pro Ile Asn Ser Ala Thr Ala Met Ala
 85 90 95
 Asp Ala Leu Asn Gly His His Pro Gly Asp Val Ile Ser Val Asn Trp
 100 105 110
 Gln Thr Lys Ser Gly Gly Thr Arg Thr Gly Asn Val Thr Leu Ala Glu
 115 120 125
 Gly Pro Pro Ala
 130

<210> 820
 <211> 36
 <212> DNA
 <213> Artificial Sequence

<220>

0954236-032900

<223> PCR primer

<400> 820

ggggaattca tgatccggga gaaatttgcc cactgc

36

<210> 821

<211> 33

<212> DNA

<213> Artificial Sequence

<220>

<223> PCR primer

<400> 821

gggctcagat caggagtttg agaccagcct ggc

33

<210> 822

<211> 675

<212> DNA

<213> Homo sapiens

<400> 822

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atgcatcacc atcaccatca cacggccgcg tccgataact tccagctgtc ccaggggtggg 60
cagggattcg ccattccgat cgggcaggcg atggcgatcg cgggccagat caagcttccc 120
accgttcata tcgggcctac cgccttcctc ggcttgggtg ttgtcgacaa caacggcaac 180
ggcgacagag tccaacgcgt ggtcgggagc gctccggcgg caagtctcgg catctccacc 240
ggcgacgtga tcaccgcggt cgacggcgct ccgatcaact cggccaccgc gatggcggac 300
gcgcttaacg ggcattcatcc cggtgacgtc atctcggtga cctggcaaac caagtcgggc 360
ggcacgcgta cagggaacgt gacattggcc gagggacccc cggccgaatt catgatccgg 420
gagaaatttg cccactgcac cgtgctaacc attgcacaca gattgaacac cattattgac 480
agcgacaaga taatggtttt agattcagga agactgaaag aatatgatga gccgtatggt 540
ttgtgc aaa ataaagagag cctattttac aagatggtgc aacaactggg caaggcagaa 600
gccgctgccc tcaactgaaac agcaaaacag agatgggggtt tcaccatggt ggccaggctg 660
gtctcaaaact cctga 675
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<210> 823

<211> 291

<212> DNA

<213> Homo sapiens

<400> 823

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atggggatcc gggagaaaatt tgcccactgc accgtgctaa ccattgcaca cagattgaac 60
accattattg acagcgacaa gataatgggt ttagattcag gaagactgaa agaatatgat 120
gagccgtatg ttttgctgca aaataaagag agcctatgtt acaagatggg gcaacaactg 180
ggcaaggcag aagccgctgc cctcactgaa acagcaaaac agagatgggg ttccaccatg 240
ttggccaggc tgggtctcaa ctccctcgag caccaccacc accaccactg a 291
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<210> 824

<211> 1074

<212> DNA

09651236-032900

<213> Homo sapiens

<400> 824

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atgtcagcca ttgagaggggt gtcagaggca atcgtcagca tccgaagaat ccagaccttt 60
ttgctacttg atgagatata acagcgcaac cgtcagctgc cgtcagatgg taaaaagatg 120
gtgcatgtgc aggattttac tgcttttttg gataaggcat cagagacccc aactctacaa 180
ggccttttct ttactgtcag acctggcgaa ttgttagctg tggtcggccc cgtgggagca 240
gggaagtcac cactgttaag tgccgtgtct ggggaatttg ccccaagtca cgggctggtc 300
agcgtgcatg gaagaattgc ctatgtgtct cagcagccct ggggtgttctc ggggaactctg 360
aggagtaata ttttatattg gaagaaatac gaaaaggaa gatatgaaaa agtcataaag 420
gcttgtgtct tgaaaaagga ttacagctg ttggaggatg gtgatctgac tgtgatagga 480
gatcggggaa ccacgctgag tggagggcag aaagcacggg taaaccttgc aagagcagtg 540
tatcaagatg ctgacatcta tctcctggac gatcctctca gtgcagtaga tgcggaagtt 600
agcagacact tgttcgaact gtgtatttgt caaatattgc atgagaagat cacaatttta 660
gtgactcatc agttgcagta cctcaaagct gcaagtcaga ttctgatatt gaaagatggg 720
aaaatgggtg agaaggggac ttacactgag ttccataaat ctggtataga ttttggctcc 780
cttttaaaga aggataatga ggaaagtga caacctccag ttccaggaac tcccacacta 840
aggaatcgta ccttctcaga gtcttcggtt tgggtctaac aatcttctag acctccttg 900
aaagatgggt ctctggagag ccaagataca gagaatgtcc cagttacact atcagaggag 960
aaccgttctg aaggaaaagt tggttttcag gcctataaga attacttcag agctgggtgt 1020
cactggattg tcttcatttt ccttattctc gagcaccacc accaccacca ctga 1074

```

<210> 825

<211> 224

<212> PRT

<213> Homo sapiens

<400> 825

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Met His His His His His Thr Ala Ala Ser Asp Asn Phe Gln Leu
      5                      10                      15

Ser Gln Gly Gly Gln Gly Phe Ala Ile Pro Ile Gly Gln Ala Met Ala
      20                      25                      30

Ile Ala Gly Gln Ile Lys Leu Pro Thr Val His Ile Gly Pro Thr Ala
      35                      40                      45

Phe Leu Gly Leu Gly Val Val Asp Asn Asn Gly Asn Gly Ala Arg Val
      50                      55                      60

Gln Arg Val Val Gly Ser Ala Pro Ala Ala Ser Leu Gly Ile Ser Thr
      65                      70                      75                      80

Gly Asp Val Ile Thr Ala Val Asp Gly Ala Pro Ile Asn Ser Ala Thr
      85                      90                      95

Ala Met Ala Asp Ala Leu Asn Gly His His Pro Gly Asp Val Ile Ser
      100                     105                     110

Val Thr Trp Gln Thr Lys Ser Gly Gly Thr Arg Thr Gly Asn Val Thr
      115                     120                     125

Leu Ala Glu Gly Pro Pro Ala Glu Phe Met Ile Arg Glu Lys Phe Ala
      130                     135                     140

```

00651236-082500

His Cys Thr Val Leu Thr Ile Ala His Arg Leu Asn Thr Ile Ile Asp
 145 150 155 160

Ser Asp Lys Ile Met Val Leu Asp Ser Gly Arg Leu Lys Glu Tyr Asp
 165 170 175

Glu Pro Tyr Val Leu Leu Gln Asn Lys Glu Ser Leu Phe Tyr Lys Met
 180 185 190

Val Gln Gln Leu Gly Lys Ala Glu Ala Ala Ala Leu Thr Glu Thr Ala
 195 200 205

Lys Gln Arg Trp Gly Phe Thr Met Leu Ala Arg Leu Val Ser Asn Ser
 210 215 220

<210> 826
 <211> 357
 <212> PRT
 <213> Homo sapiens

<400> 826
 Met Ser Ala Ile Glu Arg Val Ser Glu Ala Ile Val Ser Ile Arg Arg
 5 10 15

Ile Gln Thr Phe Leu Leu Leu Asp Glu Ile Ser Gln Arg Asn Arg Gln
 20 25 30

Leu Pro Ser Asp Gly Lys Lys Met Val His Val Gln Asp Phe Thr Ala
 35 40 45

Phe Trp Asp Lys Ala Ser Glu Thr Pro Thr Leu Gln Gly Leu Ser Phe
 50 55 60

Thr Val Arg Pro Gly Glu Leu Leu Ala Val Val Gly Pro Val Gly Ala
 65 70 75 80

Gly Lys Ser Ser Leu Leu Ser Ala Val Leu Gly Glu Leu Ala Pro Ser
 85 90 95

His Gly Leu Val Ser Val His Gly Arg Ile Ala Tyr Val Ser Gln Gln
 100 105 110

Pro Trp Val Phe Ser Gly Thr Leu Arg Ser Asn Ile Leu Phe Gly Lys
 115 120 125

Lys Tyr Glu Lys Glu Arg Tyr Glu Lys Val Ile Lys Ala Cys Ala Leu
 130 135 140

Lys Lys Asp Leu Gln Leu Leu Glu Asp Gly Asp Leu Thr Val Ile Gly

006280" 96275960

145 150 155 160
 Asp Arg Gly Thr Thr Leu Ser Gly Gly Gln Lys Ala Arg Val Asn Leu
 165 170 175
 Ala Arg Ala Val Tyr Gln Asp Ala Asp Ile Tyr Leu Leu Asp Asp Pro
 180 185 190
 Leu Ser Ala Val Asp Ala Glu Val Ser Arg His Leu Phe Glu Leu Cys
 195 200 205
 Ile Cys Gln Ile Leu His Glu Lys Ile Thr Ile Leu Val Thr His Gln
 210 215 220
 Leu Gln Tyr Leu Lys Ala Ala Ser Gln Ile Leu Ile Leu Lys Asp Gly
 225 230 235 240
 Lys Met Val Gln Lys Gly Thr Tyr Thr Glu Phe Leu Lys Ser Gly Ile
 245 250 255
 Asp Phe Gly Ser Leu Leu Lys Lys Asp Asn Glu Glu Ser Glu Gln Pro
 260 265 270
 Pro Val Pro Gly Thr Pro Thr Leu Arg Asn Arg Thr Phe Ser Glu Ser
 275 280 285
 Ser Val Trp Ser Gln Gln Ser Ser Arg Pro Ser Leu Lys Asp Gly Ala
 290 295 300
 Leu Glu Ser Gln Asp Thr Glu Asn Val Pro Val Thr Leu Ser Glu Glu
 305 310 315 320
 Asn Arg Ser Glu Gly Lys Val Gly Phe Gln Ala Tyr Lys Asn Tyr Phe
 325 330 335
 Arg Ala Gly Ala His Trp Ile Val Phe Ile Phe Leu Ile Leu Glu His
 340 345 350
 His His His His His
 355

<210> 827

<211> 96

<212> PRT

<213> Homo sapiens

<400> 827

Met Gly Ile Arg Glu Lys Phe Ala His Cys Thr Val Leu Thr Ile Ala
 5 10 15

His Arg Leu Asn Thr Ile Ile Asp Ser Asp Lys Ile Met Val Leu Asp
 20 25 30

00651236 "082900

Leu Ala Arg Leu Val Ser Asn Ser Leu Glu His His His His His His
85 90 95

<220>

<211> 304
 <212> PRT
 <213> Homo sapiens

<400> 835

Met	His	His	His	His	His	His	Thr	Ala	Ala	Ser	Asp	Asn	Phe	Gln	Leu
			5						10					15	
Ser	Gln	Gly	Gly	Gln	Gly	Phe	Ala	Ile	Pro	Ile	Gly	Gln	Ala	Met	Ala
		20						25					30		
Ile	Ala	Gly	Gln	Ile	Lys	Leu	Pro	Thr	Val	His	Ile	Gly	Pro	Thr	Ala
		35					40					45			
Phe	Leu	Gly	Leu	Gly	Val	Val	Asp	Asn	Asn	Gly	Asn	Gly	Ala	Arg	Val
	50					55					60				
Gln	Arg	Val	Val	Gly	Ser	Ala	Pro	Ala	Ala	Ser	Leu	Gly	Ile	Ser	Thr
	65				70					75					80
Gly	Asp	Val	Ile	Thr	Ala	Val	Asp	Gly	Ala	Pro	Ile	Asn	Ser	Ala	Thr
				85					90					95	
Ala	Met	Ala	Asp	Ala	Leu	Asn	Gly	His	His	Pro	Gly	Asp	Val	Ile	Ser
			100					105					110		
Val	Thr	Trp	Gln	Thr	Lys	Ser	Gly	Gly	Thr	Arg	Thr	Gly	Asn	Val	Thr
		115					120					125			
Leu	Ala	Glu	Gly	Pro	Pro	Ala	Glu	Phe	Met	His	Gly	Pro	Gln	Val	Leu
	130					135					140				
Ala	Arg	Cys	Ser	Glu	Cys	Ala	Cys	Pro	Ala	Leu	Ala	Ala	Thr	Ser	Ala
	145				150					155					160
Gly	Val	Arg	Leu	Glu	Gly	Val	Asp	Arg	Pro	Pro	Thr	Leu	Pro	Ser	Gln
			165					170					175		
Gly	Ser	Gly	Trp	Pro	Cys	Ser	His	Ser	Leu	Ser	Gly	Cys	His	Leu	Met
			180					185					190		
Ala	Asp	Gly	Ala	Lys	Ala	Leu	Gly	Lys	Ala	Asp	Gly	Pro	Trp	Pro	Tyr
		195					200					205			
Leu	Phe	Val	Arg	Arg	Thr	Asp	Val	Pro	Cys	Pro	Ala	Ala	Ser	Glu	Val
	210					215					220				
Gly	Gly	Cys	Ala	Pro	Ser	Ser	Trp	Arg	Ala	Leu	Ala	Glu	Val	Thr	Gly
	225				230					235					240
Cys	Ser	Leu	Gly	Pro	Leu	Gly	Leu	Ala	Gln	His	Ala	Gln	Ala	Ser	Val
			245					250						255	
Leu	Leu	Leu	Cys	Tyr	Lys	Trp	Ser	His	Ile	Gly	Glu	Thr	Ser	Ser	His

005250-03500

260	265	270
Leu Arg Ser Lys Val Tyr Ala	Ala Phe Gly Gly Ser Ser	Pro Cys Leu
275	280	285
Lys Gly Leu Met Ser Leu Trp	Ala Ser Trp Leu Ser	Arg Gly Arg Pro
290	295	300

<210> 836
 <211> 24
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> PCR primer

<400> 836
 cgaagtcacg tggaggccag cctc 24

<210> 837
 <211> 29
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> PCR primer

<400> 837
 cctgaccgaa ttcattaact ggcctggac 29

<210> 838
 <211> 166
 <212> PRT
 <213> Homo sapiens

<220>
 <221> VARIANT
 <222> (1)...(166)
 <223> Xaa = Any Amino Acid

<400> 838
 Met Gly His His His His His Val Glu Ala Ser Leu Ser Val Arg
 1 5 10 15
 His Pro Glu Tyr Asn Arg Pro Leu Leu Ala Asn Asp Leu Met Leu Ile
 20 25 30
 Lys Leu Asp Glu Ser Val Ser Glu Ser Asp Thr Ile Arg Ser Ile Ser
 35 40 45
 Ile Ala Ser Gln Cys Pro Thr Ala Gly Asn Ser Cys Leu Val Ser Gly
 50 55 60
 Trp Gly Leu Leu Ala Asn Gly Arg Met Pro Thr Val Leu Gln Cys Val

006290-962596

65		70		75		80
Asn Val Ser Val Val Ser Glu Glu Val Cys Ser Lys Leu Tyr Asp Pro						
	85		90		95	
Leu Tyr His Pro Ser Met Phe Cys Ala Gly Gly Gly Gln Xaa Gln Xaa						
	100		105		110	
Asp Ser Cys Asn Gly Asp Ser Gly Gly Pro Leu Ile Cys Asn Gly Tyr						
	115		120		125	
Leu Gln Gly Leu Val Ser Phe Gly Lys Ala Pro Cys Gly Gln Val Gly						
	130		135		140	
Val Pro Gly Val Tyr Thr Asn Leu Cys Lys Phe Thr Glu Trp Ile Glu						
145		150		155		160
Lys Thr Val Gln Ala Ser						
	165					

<210> 839
 <211> 504
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(504)
 <223> n = A,T,C or G

<400> 839	
atggggccatc atcatcatca tcacgtggag gccagcctct ccgtacggca cccagagtac	60
aacagaccct tgctcgctaa cgacctcatg ctcatcaagt tggacgaatc cgtgtccgag	120
tctgacacca tccggagcat cagcattgct tcgcagtgcc ctaccgcggg gaactcttgc	180
ctcgtttctg gctgggggtct gctggcggaac ggcagaatgc ctaccgtgct gcagtgcgtg	240
aacgtgtcgg tgggtgtctga ggaggtctgc agtaagctct atgaccgcgt gtaccacccc	300
agcatgttct gcgccggcgg agggcaanac cagaangact cctgcaacgg tgactctggg	360
gggccctga tctgcaacgg gtacttgcag ggccttgtgt ctttcggaaa agccccgtgt	420
ggccaagtgt gcgtgccagg tgtctacacc aacctctgca aattcactga gtggatagag	480
aaaaccgtcc aggccagtta atga	504

<210> 840
 <211> 21
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> PCR primer

<400> 840	
ctcagggttc cggagccgcg g	21

<210> 841
 <211> 35
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> PCR primer

00651236-082900

<400> 841
ctatagaatt cattaccaaaa aagctgggct ccagc

35

<210> 842
<211> 241
<212> PRT
<213> Homo sapiens

<400> 842
Met Gln His His His His His Leu Arg Val Pro Glu Pro Arg Pro
1 5 10 15
Gly Glu Ala Lys Ala Glu Gly Ala Ala Pro Pro Thr Pro Ser Lys Pro
20 25 30
Leu Thr Ser Phe Leu Ile Gln Asp Ile Leu Arg Asp Gly Ala Gln Arg
35 40 45
Gln Gly Gly Arg Thr Ser Ser Gln Arg Gln Arg Asp Pro Glu Pro Glu
50 55 60
Pro Glu Pro Glu Pro Glu Gly Gly Arg Ser Arg Ala Gly Ala Gln Asn
65 70 75 80
Asp Gln Leu Ser Thr Gly Pro Arg Ala Ala Pro Glu Glu Ala Glu Thr
85 90 95
Leu Ala Glu Thr Glu Pro Glu Arg His Leu Gly Ser Tyr Leu Leu Asp
100 105 110
Ser Glu Asn Thr Ser Gly Ala Leu Pro Arg Leu Pro Gln Thr Pro Lys
115 120 125
Gln Pro Gln Lys Arg Ser Arg Ala Ala Phe Ser His Thr Gln Val Ile
130 135 140
Glu Leu Glu Arg Lys Phe Ser His Gln Lys Tyr Leu Ser Ala Pro Glu
145 150 155 160
Arg Ala His Leu Ala Lys Asn Leu Lys Leu Thr Glu Thr Gln Val Lys
165 170 175
Ile Trp Phe Gln Asn Arg Arg Tyr Lys Thr Lys Arg Lys Gln Leu Ser
180 185 190
Ser Glu Leu Gly Asp Leu Glu Lys His Ser Ser Leu Pro Ala Leu Lys
195 200 205
Glu Glu Ala Phe Ser Arg Ala Ser Leu Val Ser Val Tyr Asn Ser Tyr
210 215 220
Pro Tyr Tyr Pro Tyr Leu Tyr Cys Val Gly Ser Trp Ser Pro Ala Phe
225 230 235 240
Trp

<210> 843
<211> 729
<212> DNA
<213> Homo sapiens

<400> 843
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gcgagggggg ccgcgcgcc gaccccgctc aagccgctca cgtccttct catccaggac 120
atcctgcggg acggcgcgca gcggcaaggc ggccgcacga gcagccagag acagcgcgac 180
ccggagccgg agccagagcc agagccagag ggaggacgca gccgcgccgg ggcgcagaac 240

006280" 9CCTGGG

gaccagctga gcaccgggccc ccgcgcgcgcg ccggatgagg ccgagacgct ggcagagacc 300
 gagccagaaa ggcacttggg gtcttatctg ttggactctg aaaacacttc aggcgccctt 360
 ccaaggcttc cccaaacccc taagcagccg cagaagcgct cccgagctgc cttctccac 420
 actcaggtga tgcagttgga gaggaagtgc agccatcaga agtacctgtc ggcccctgaa 480
 cgggcccacc tggccaagaa cctcaagctc acggagaccc aagtgaagat atggttccag 540
 aacagacgct ataagactaa gcgaaagcag ctctcctcgg agctgggaga cttggagaag 600
 cactcctttt tgccggccct gaaagaggag gccttctccc gggcctccct ggtctccgtg 660
 tataacagct atccttacta cccatacctg cactgcgtgg gcagctggag cccagctttt 720
 tggtaatga. 729

<210> 844

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> PCR primer

<400> 844

ctactaagcg ctggagtgag ggatcag

27

<210> 845

<211> 33

<212> DNA

<213> Artificial Sequence

<220>

<223> PCR primer

<400> 845

catcgagaat tcactactct ctgactagat gtc

33

<210> 846

<211> 161

<212> PRT

<213> Homo sapiens

<400> 846

Met	Gln	His	His	His	His	His	His	Ala	Gly	Val	Arg	Asp	Gln	Gly	Gln
1			5						10				15		
Gly	Ala	Arg	Trp	Pro	His	Thr	Gly	Lys	Arg	Gly	Pro	Leu	Leu	Gln	Gly
		20					25				30				
Leu	Thr	Trp	Ala	Thr	Gly	Gly	His	Cys	Phe	Ser	Ser	Glu	Glu	Ser	Gly
		35				40					45				
Ala	Val	Asp	Gly	Ala	Gly	Gln	Lys	Lys	Asp	Arg	Ala	Trp	Leu	Arg	Cys
	50				55				60						
Pro	Glu	Ala	Val	Ala	Gly	Phe	Pro	Leu	Gly	Ser	Asp	Cys	Arg	Glu	Gly
65				70				75			80				
Gly	Arg	Gln	Gly	Cys	Gly	Gly	Ser	Asp	Asp	Glu	Asp	Asp	Leu	Gly	Val
		85				90				95					
Ala	Pro	Gly	Leu	Ala	Pro	Ala	Trp	Ala	Leu	Thr	Gln	Pro	Pro	Ser	Gln

006280-9627590

100 105 110
 Ser Pro Gly Pro Gln Ser Leu Pro Ser Thr Pro Ser Ser Ile Trp Pro
 115 120 125
 Gln Trp Val Ile Leu Ile Thr Glu Leu Thr Ile Pro Ser Pro Ala His
 130 135 140
 Gly Pro Pro Trp Leu Pro Asn Ala Leu Glu Arg Gly His Leu Val Arg
 145 150 155 160
 Glu

<210> 847
 <211> 489
 <212> DNA
 <213> Homo sapiens

<400> 847
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 cctcacacag ggaagagagg gcccctcctg cagggcctca cctgggccac aggaggacac 120
 tgcttttcct ctgaggagtc aggagctgtg gatggtgctg gacagaagaa ggacagggcc 180
 tggctcaggt gtccagaggc tgtcgtctggc ttcccttttg gatcagactg cagggagggg 240
 gggcggcagg gttgtggggg gagtgcacgat gaggatgacc tgggggtggc tccaggcctt 300
 gcccctgcct gggccctcac ccagcctccc tcacagtctc ctggccctca gtctctcccc 360
 tccactccat cctccatctg gcctcagtgg gtcattctga tcaactgaact gaccataccc 420
 agccctgccc acggccctcc atggctcccc aatgccttgg agagggggaca tctagtcaga 480
 gagtagtga 489

<210> 848
 <211> 132
 <212> PRT
 <213> Homo sapiens

<400> 848
 Thr Ala Ala Ser Asp Asn Phe Gln Leu Ser Gln Gly Gly Gln Gly Phe
 1 5 10 15
 Ala Ile Pro Ile Gly Gln Ala Met Ala Ile Ala Gly Gln Ile Arg Ser
 20 25 30
 Gly Gly Gly Ser Pro Thr Val His Ile Gly Pro Thr Ala Phe Leu Gly
 35 40 45
 Leu Gly Val Val Asp Asn Asn Gly Asn Gly Ala Arg Val Gln Arg Val
 50 55 60
 Val Gly Ser Ala Pro Ala Ala Ser Leu Gly Ile Ser Thr Gly Asp Val
 65 70 75 80
 Ile Thr Ala Val Asp Gly Ala Pro Ile Asn Ser Ala Thr Ala Met Ala
 85 90 95
 Asp Ala Leu Asn Gly His His Pro Gly Asp Val Ile Ser Val Asn Trp
 100 105 110
 Gln Thr Lys Ser Gly Gly Thr Arg Thr Gly Asn Val Thr Leu Ala Glu
 115 120 125
 Gly Pro Pro Ala
 130

0065436-082900

<210> 849
 <211> 31
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> PCR primer

<400> 849
 ggggaattca tcacctatgt gccgcctctg c

31

<210> 850
 <211> 40
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> PCR primer

<400> 850
 gggctcgagt cactcgccca cgaaatccgt gtaaaacagc

40

<210> 851
 <211> 1203
 <212> DNA
 <213> Homo sapiens

<400> 851
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 cagggattcg ccattccgat cgggcaggcg atggcgatcg cgggccagat caagcttccc 120
 accgttcata tcgggcctac cgccttcctc ggcttgggtg ttgtcgacaa caacggcaac 180
 ggcgacgag tccaacgcgt ggtcgggagc gctccggcgg caagtctcgg catctccacc 240
 ggcgacgtga tcaccgcggt cgacggcgct ccgatcaact cggccaccgc gatggcggac 300
 gcgcttaacg ggcacatcc cgggtgacgt atctcggtga cctggcaaac caagtccggc 360
 ggcacgcgta cagggaacgt gacattggcc gagggacccc cggccgaatt catcacctat 420
 gtgccgcctc tgctgctgga agtgggggta gaggagaagt tcatgaccat ggtgctgggc 480
 attggtccag tgctgggcct ggtctgtgtc ccgctcctag gctcagccag tgaccactgg 540
 cgtggacgct atggccgccc cgggcccttc atctgggcac tgtccttggg catcctgctg 600
 agcctctttc tcatcccaag ggccggctgg ctagcagggc tgctgtgccc ggatcccagg 660
 cccctggagc tggcactgct catcctgggc gtggggctgc tggacttctg tggccagggtg 720
 tgcttcactc cactggaggc cctgctctct gacctcttcc gggaccgcga ccactgtcgc 780
 caggcctact ctgtctatgc cttcatgatc agtcttgggg gctgcctggg ctacctctg 840
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 cccactgct gtccatgccg ggcccgcttg gctttccgga acctgggcgc cctgcttccc 1080
 cggctgcacc agctgtgctg ccgcatgccc cgcacctgc gccggctctt cgtggctgag 1140
 ctgtgcagct ggatggcact catgaccttc acgctgtttt acacggattt cgtgggcgag 1200
 tga 1203

<210> 852
 <211> 400
 <212> PRT

<213> Homo sapiens

<400> 852

Met His His His His His His Thr Ala Ala Ser Asp Asn Phe Gln Leu
 5 10 15

 Ser Gln Gly Gly Gln Gly Phe Ala Ile Pro Ile Gly Gln Ala Met Ala
 20 25 30

 Ile Ala Gly Gln Ile Lys Leu Pro Thr Val His Ile Gly Pro Thr Ala
 35 40 45

 Phe Leu Gly Leu Gly Val Val Asp Asn Asn Gly Asn Gly Ala Arg Val
 50 55 60

 Gln Arg Val Val Gly Ser Ala Pro Ala Ala Ser Leu Gly Ile Ser Thr
 65 70 75 80

 Gly Asp Val Ile Thr Ala Val Asp Gly Ala Pro Ile Asn Ser Ala Thr
 85 90 95

 Ala Met Ala Asp Ala Leu Asn Gly His His Pro Gly Asp Val Ile Ser
 100 105 110

 Val Thr Trp Gln Thr Lys Ser Gly Gly Thr Arg Thr Gly Asn Val Thr
 115 120 125

 Leu Ala Glu Gly Pro Pro Ala Glu Phe Ile Thr Tyr Val Pro Pro Leu
 130 135 140

 Leu Leu Glu Val Gly Val Glu Glu Lys Phe Met Thr Met Val Leu Gly
 145 150 155 160

 Ile Gly Pro Val Leu Gly Leu Val Cys Val Pro Leu Leu Gly Ser Ala
 165 170 175

 Ser Asp His Trp Arg Gly Arg Tyr Gly Arg Arg Arg Pro Phe Ile Trp
 180 185 190

 Ala Leu Ser Leu Gly Ile Leu Leu Ser Leu Phe Leu Ile Pro Arg Ala
 195 200 205

 Gly Trp Leu Ala Gly Leu Leu Cys Pro Asp Pro Arg Pro Leu Glu Leu
 210 215 220

 Ala Leu Leu Ile Leu Gly Val Gly Leu Leu Asp Phe Cys Gly Gln Val
 225 230 235 240

 Cys Phe Thr Pro Leu Glu Ala Leu Leu Ser Asp Leu Phe Arg Asp Pro
 245 250 255

 Asp His Cys Arg Gln Ala Tyr Ser Val Tyr Ala Phe Met Ile Ser Leu
 260 265 270

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Gly Gly Cys Leu Gly Tyr Leu Leu Pro Ala Ile Asp Trp Asp Thr Ser
275 280 285

Ala Leu Ala Pro Tyr Leu Gly Thr Gln Glu Glu Cys Leu Phe Gly Leu
290 295 300

Leu Thr Leu Ile Phe Leu Thr Cys Val Ala Ala Thr Leu Leu Val Ala
305 310 315 320

Glu Glu Ala Ala Leu Gly Pro Thr Glu Pro Ala Glu Gly Leu Ser Ala
325 330 335

Pro Ser Leu Ser Pro His Cys Cys Pro Cys Arg Ala Arg Leu Ala Phe
340 345 350

Arg Asn Leu Gly Ala Leu Leu Pro Arg Leu His Gln Leu Cys Cys Arg
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Met Pro Arg Thr Leu Arg Arg Leu Phe Val Ala Glu Leu Cys Ser Trp
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Met Ala Leu Met Thr Phe Thr Leu Phe Tyr Thr Asp Phe Val Gly Glu
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Ser Val Arg Val
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Ala Ser Asp

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00651236-032900

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<223> n = A,T,C or G

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